Geological Society of Africa

Newsletter

Volume 12 – Issue 1
January - March 2024

Inside this Issue:

Welcome to Kenya: 30th Colloquium of African Geology (CAG30)
Overview of CAG29 in Namibia
The 37th International Geological Congress 2024 (IGC37)

Edited by:
Dr. Daniel Kwayisi
Editor of the GSAf Newsletter

http://gsaf.org/newsletter/

Newsletter Team
Mr. Eli Djomekou
Mr. Nelson Senunyeme

Welcome to Kenya

The 30th Colloquium of African Geology (CAG 30)

2025

Anticipate

The 37th International Geological Congress 2024

Extension of Abstract to 15th March 2024

August 25-31, 2024

BEXCO, Busan, Republic of Korea

In this Issue

GSAf Matters ---- 01
Meet your Council Members ---- 02
CAG30 ---- 03
Opinion ---- 04
Geology Comic ---- 09
CAG29 ---- 10
News from GSAf partners ---- 20
Events ---- 21
Opportunities ---- 25
Contact the Council ---- 26

Geological Society of Africa - Newsletter
Volume 12 - Issue 1
January - March 2024

http://qsafr.org

Temporary contact: dkwayisi@gmail.com

Volume 12 – Issue 1
January - March 2024

GSAf MATTERS

Message from President for 2024

Prof. Gbenga Okunlola
GSAf President, 2024

Dear Cherished colleagues, Greetings and welcome to the first quarterly edition of the GSAf newsletter for 2024. Unfortunately, we were unable to publish the last quarter's newsletter due to changes in the Council caused by the elections, including the newsletter editor. The new council members were settling into their various responsibilities, which is typical during a transition period. Nevertheless, we believe that we will maintain regularity going forward. We are pleased to say that the GSAf is getting stronger every day. We are forging essential linkages with relevant initiatives across the continent and beyond. Our primary objective is to promote geosciences on the continent in all its areas, including exploration, education, and linkages with industry, academia, government, and global geoscience information.

In February 2024, we hosted the IUGS/ GSAf geoscience in Africa event in Nairobi, Kenya. This was a significant event that saw IUGS executives holding their meeting in Africa for the first time in 63 years and interacting through presentations from African experts on key issues in African Geoscience. You can find a summary of the event in this newsletter. We are also excited to announce that we are preparing for the 30 CAG in Nairobi, which is proposed for September 2025. This comes after the successful 29 CAG, with its superb organization, technical richness, and exotic, educative field excursions. We would like to give kudos to the entire LOC.

Please review this newsletter for the rich information it offers, and we hope that the next edition will be just as interesting as this one.

Enjoy it...

GSAfr Elect New Council Members

The Geological Society of Africa, in its General council meeting in Namibia on the 29th of September, elected New members for the council.

The New council members are

1. Dr.Adama Sangare: General Secretary
2. Dr Daniel Kwayisi: Information Officer/Newsletter editor

1. Dr. Adama Sangare
General Secretary

Dr. Adama SANGARE holds a Master's degree in Geosciences and Natural Resources, and a Ph.D. in Natural Resources and Sustainable Development obtained at the Dhar El Mehraz Faculty of Sciences of the Sidi Mohamed Ben Abdellah University of Fez, Morocco. He began his career as a mining geologist at the Loulo mine in Mali before continuing as an exploration geologist. He has worked mainly on the Birrimian terrains of the West African Craton in Mali, Senegal, Guinea, Burkina Faso and currently holds the position of Exploration Manager for IAMGOLD Corporation in Mali. His research has focused on Birimian greenstone belts and gold mineralization associated with the Eburnean orogeny. Since 2017 Adama has been a member of the Council of the Society of African Geological and was appointed at the 2023 congress in Windhoek Namibia, Secretary General of the society.

Meet your Council Members

A short profile of the newly appointed/elected council members

2. Dr Daniel Kwayisi

Information Officer/Newsletter editor

Dr. Daniel Kwayisi is a highly knowledgeable professional in the field of Geology. He has a solid background in petrology and tectonics. He earned a Master of Philosophy in Geology from the University of Ghana, and a Doctoral degree in Geology from the University of Johannesburg, South Africa. Dr. Daniel Kwayisi has been conducting extensive research on the Precambrian geology of Ghana for over a decade. Some of his projects include studying the architecture of the Buem Structural Unit and its implications for the tectonic evolution of the Pan-African Dahomeyide Orogen, as well as the geological evolution of the granitoids of the Suhum basin and Lawra belt and petro-hydrogeological studies of crystalline aquifers in the Pan-African Dahomeyide belt. His academic contributions are evident in the numerous publications he has written in both local and international journals. Currently, he serves as a Postdoctoral research fellow at the University of Johannesburg, South Africa, where he focuses on the evolution of plate tectonics in the Paleoarchean. Moreover, Daniel Kwayisi is an active member of the geological community. He is a life member and currently the information officer/newsletter editor of the Geological Society of Africa.

3. Mr. Nasrrddine Youbi

Vice President, Northern Africa

Nasrrddine Youbi was born in Fez (Morocco) on November 25, 1959. He is a Professor at the Geology Department of Faculty of Sciences-Semlalia of Cadi Ayyad University, Marrakesh since 1987 where he obtained his PhD thesis in Volcanology and Geochemistry in 1998. He served as Head of Department of Geology from 2014 to 2017. He was twice (2008-2014) an expert with the Scientific Committees of the National Center for Scientific Research (CNRST) in Rabat. He is also an expert with the French-Moroccan Joint Committee of Hubert Curien Toubkal Program (2019-2024). Nasrrddine Youbi is currently Director of the "Dynamics of the Lithosphere and Genesis of Resources Laboratory" (DLGR Lab) where he develops with his Colleagues and PhD students research in petrology, high level geochemistry by applying several techniques derived from geochronology, isotopic geology, elementary geochemistry, petrology. His research focuses mainly on the Large Igneous Provinces (LIPs) such as the Central Atlantic Magmatic Province, (CAMP) of Morocco, Portugal and USA, the Precambrian of Anti-Atlas, the Moroccan Sahara and Northern Mauritania and the Permo-Carboniferous, Jurassic-Cretaceous and Neogene-Quaternary volcanisms of Morocco. He is also interested to astrogeology such as impact craters and mapping structures of Venus and others terrestrial planets. He participated with the Bureau of Geological and Mining Research of France (BRGM) within the framework of the National Program of Geological Mapping (PNCG) in the elaboration of six geological maps in the Moroccan Meseta and Anti-Atlas. Nasrrddine Youbi supervised several PhD thesis in Morocco and abroad (USA, France, Italy and Portugal). He is the author of more than a hundred publications indexed on the WOS and Scopus bibliographic database, including tow articles published in 2017 and 2020 in the prestigious scientific journal Nature Communications. He is ranked first on the "top 15" of the most prolific Moroccan researchers in publications in the field Sciences of Earth and Universe on the Scopus database (https://barometre.cnrst.ma). He was awarded by the Prize for Excellence in Geoscience Research, a prize awarded to the best Moroccan researchers who were distinguished by the quality, volume and number of citations of their scientific production, listed by the Publisher Clarivate Analytics (Web of Science Group) during the last 5 years (2014-2018). He was also ranked as the unique best scholars in the discipline of Earth Science in Morocco by the first and the 2nd edition of Research.com https://research.com / (2022 & 2023) ranking of the best scholars https://research.com/scientists-rankings/earth-science/-ma

Volume 12 – Issue 1
January - March 2024

Welcome to Kenya

The 30th Colloquium of African Geology (CAG 30)

2025

Anticipate

Opinion

• **Empowering Geoscience:** The Role of the Geoscience Council of Namibia

In the heart of Namibia's geological landscape, the Geoscience Council of Namibia stands as a pivotal institution, diligently fulfilling its mandate to regulate and promote the noble profession of geoscience. Established in accordance with the Geoscience Professions Act, 2012 (Act No. 3 of 2012), this juristic body has been instrumental in fostering professional excellence and ethical conduct within the geoscience community since its inception in September 2017.

The council's primary objective revolves around safeguarding the public interest by governing and regulating the professional practice of geoscientists. Through its core competencies, the Geoscience Council of Namibia has been steadfast in its commitment to upholding the highest standards of professionalism and integrity. These competencies encompass various aspects, including:

1. Promotion of Geoscience Professions: Serving as a beacon of self-regulation, the council ensures that registered geoscientists demonstrate recognized professional competence while adhering to a stringent code of conduct.
2. Control and Authority: Exercising authoritative oversight, the council governs matters pertaining to the levels of competence and ethical conduct within the geoscience professions.
3. Interest Promotion: Actively advocating for the interests of geoscience as a profession, the council utilizes diverse platforms to amplify the significance of this field.
4. Communication with Government: Establishing effective channels of communication, the council engages with relevant government authorities, particularly the Ministry, on matters of public interest gleaned from its operational endeavours.

At the helm of the council chamber are esteemed individuals comprising the President, Vice President, Treasurer, and two Ordinary Councillors, each serving a term of three years. Their appointment follows a rigorous process involving nominations and subsequent elections, ensuring a robust leadership structure within the council.

The Geoscience Council of Namibia has achieved significant milestones in its pursuit of promoting geoscience excellence and fostering collaboration within the industry. Notable achievements include:

1. Registration of forty-nine (49) geoscientists and fifty (50) Senior Geoscientists, highlighting the growing recognition and adherence to professional standards within the geoscience community.
2. Collaboration with NBC Radio to launch the "Geoscience Corner" radio talk show in 2022. This informative program, themed "GEOSCIENCE, THE BEDROCK OF MODERN-DAY LIFE," covered a spectrum of topics ranging from hydrogeology to climate change, thereby enhancing public awareness and appreciation for geoscience.
3. Successful hosting of the 29th Colloquium of African Geology (CAG29) in collaboration with the Geological Survey of Namibia and other stakeholders. Held under the theme "The earth sciences and Africa's development: current realities, future projections," the event convened experts to discuss critical issues shaping the continent's geological landscape.
4. Ongoing preparations for the SEG 2024 Conference, themed "Sustainable Mineral Exploration and Development." In partnership with esteemed organizations such as the Society of Economic Geologists and Geological Society of Namibia, the conference aims to address pressing concerns surrounding mineral exploration and development, thereby charting a sustainable path forward for the industry.

As the Geoscience Council of Namibia continues to spearhead initiatives aimed at advancing the geoscience profession, its unwavering dedication underscores the pivotal role it plays in shaping Namibia's geological future. Through collaboration, regulation, and advocacy, the council remains steadfast in its commitment to upholding excellence and integrity within the geoscience community, ensuring a vibrant and sustainable future for generations to come.

• Know Africa: Africa's Impact Cratering History and Meteorite Record: Implications for Planetary and Space Science Studies on the Continent

Author: Dr. Marian Selorm Sapah

Vredefort Asteroid. Supplied image: Vredefort Asteroid - The South African natural phenomenon is the biggest known crater on the planet (iol.co.za)

This article assessed the status of Planetary and Space Science in Africa through literature, and makes recommendations on some ways it can be better advanced using Africa's Impact cratering history and Meteorite record. The author is of the view that, even though Planetary and Space Science is emerging in Africa with a recent surge in activities, it is still underdeveloped. This is largely due to a lack of interest and investment in the field. Africa has a rich Impact cratering history and Meteorite record that can be used as a tool to create interest in, promote and develop Planetary and Space Science in Africa through research and education.

To improve the level of formal Planetary and Space Science education in Africa, the author recommends the following with emphasis on the incorporation and use of the Impact cratering history and Meteorite record of Africa:

(1) introduce Planetary and Space Science degree programs in Colleges of Education,

(2) introduce Planetary and Space Science as a subject in the Senior High School curriculum,

(3) improve the Planetary and Space Science content in the Primary and High School curriculum. To train the next generation of Planetary and Space Science professionals requires more African universities to offer degree programs in Planetary and Space Science.

To help increase Planetary and Space Science awareness and literacy in Africa, the Planetary and Space Science workforce in Africa should collaborate with other relevant stakeholders to promote Planetary and Space Science through outreach.

Starlink

Starlink: SpaceX's new internet service could be a gamechanger in Africa
Published: March 1, 2023 11.17am CET Author: Dr. Marian Selorm Sapah

It's hard for many of us to imagine a world without instant, limitless internet access. Some have even argued that it should, alongside access to clean water and electricity, be considered a basic human right.

But in fact, only 64.4% of the global population as of January 2023 are internet users. Asia and Europe are home to most of the people who are connected.

Africa comes in third. However, accessibility varies wildly across the continent. About 66% of people in southern Africa are internet users. In east Africa the figure is 26%; it is just 24% in central Africa. People in rural areas have far less access than those in the continent's urban areas.

Internet access opens up the world in many ways. It can entertain, educate, enable payments and even bolster democracy.

That's why advances in providing internet access to people in Africa are worth celebrating. In January 2023, the US company SpaceX, which manufactures and launches spacecraft and communication satellites, announced that its Starlink service was available in Nigeria. This was a first for the continent. It has also since become available in Rwanda.

Starlink is a satellite-based internet service. It is set to be rolled out elsewhere on the continent, including the Democratic Republic of Congo (DRC), Kenya and Tanzania, later this year. More coverage is to come in 2024.

This could be an important way to fill Africa's connectivity gaps, which have arisen because of poor digital infrastructure and the high costs of investing in fibre optic cables or mobile phone masts, particularly in rural and remote areas. The United Nations has a strategy for reaching universal access across Africa by 2030, but this won't be possible without innovative approaches.

Starlink is one such innovation. Since all its users are tapping into the same infrastructure, in space, there's less need for erecting mobile phone masts or laying fibre optic cable on land.

What is Starlink?

Starlink is a network of thousands of satellites located close to the Earth – about 550km from the planet's surface – that provide broadband internet access.

Of course, satellites are already used for internet connectivity. But a traditional internet satellite is a single geostationary object; its position in orbit is fixed in relation to the Earth. These satellites are also located more than 35,000km from Earth, so it takes a long time for the signal to reach the end user. As anyone who has tried to use the internet in a remote area knows, the further a signal travels, the worse it gets, so traditional internet satellites tend to be slow and can be unreliable. They aren't able to adequately support activities like live streaming, online gaming and video calls.

Starlink's Low-Earth Orbit satellites are able to interconnect and relay signals between each other, creating fast, stable internet service. There are also a lot of them: on 17 February 2023, SpaceX said it had launched 3,981 satellites in total, with 3,639 currently operational.

The company can launch its own satellites on demand and update them with the latest technology as required, which it says adds to their reliability.

Much of Africa's internet access is currently being provided through mobile, wireless

internet – signals are relayed from land-based towers. This has less coverage and is slower than satellite internet access.

One area of concern when it comes to Starlink is the cost. For example, at the beginning of February 2023, FiberOne, a broadband internet provider in Nigeria, was providing internet with speeds of up to 500Mbps, which is fast. The installation fee was N32,231 (about US$70) and the monthly subscription cost around N100,000 (US$220). Starlink in Nigeria, meanwhile, costs about N276,000 (US$599) once-off for the kit and installation, then charges a monthly subscription fee of about N198,000 (US$43).

Starlink is cheaper in the long term than both fibre optic and mobile internet providers. But can an average rural Nigerian household with a monthly income of less than N28,000 (US$60) afford it? Given that average incomes are similarly low in most rural and remote parts of Africa, there's a risk that Starlink's targeted users on the continent won't be able to use the service.

Research uses

These concerns aside, there's no doubt that faster internet can propel Africa forward. Despite the shortcomings of mobile, wireless internet, it has been credited with greatly advancing Africa technologically. Services like Starlink could fuel even greater growth in several areas. These include education, participation in democracy and governance, disaster risk reduction and mitigation, health, and agriculture.

As a researcher in planetary and space science whose work includes, among other things, the use of satellite data for monitoring and modelling in relation to geology, I am especially interested in the ways these satellites could be used beyond internet access, for tasks like remote sensing and Earth observations. I hope that Starlink's arrival in Africa will help usher the continent into a new phase of technological development.

For example, satellite images can give information on crop yield, helping farmers to make better decisions on irrigation, fertilisation and harvesting. They also allow for widespread and effective monitoring of reservoir levels, as well as increasing transparency about how much water is available, thereby providing early warnings of shortages and uniform data among countries with common water sources.

Governments, researchers and industries can buy access to specialised Starlink satellites called Swarm for data they need for these kinds of projects. The sheer number and speed of Starlink's satellites means they can gather a lot of data, quickly, and offer frequent updates. Starlink's arrival in Africa is a great opportunity for the continent's scientists, governments and industries to collaborate.

Volume 12 – Issue 1
January - March 2024

Geology Comic

Source: From: https://www.cartoonstock.com/

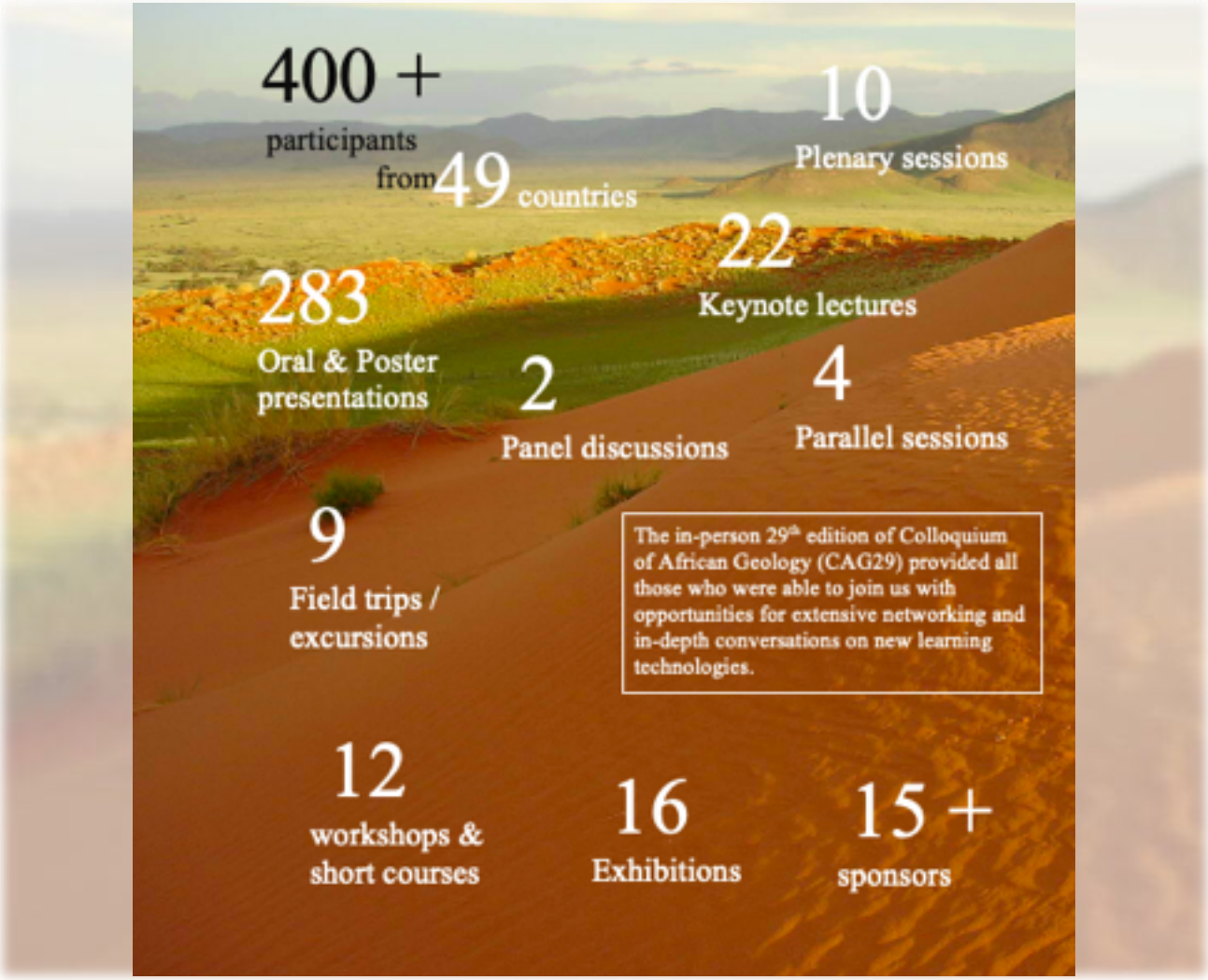
CAG 29

29th Colloquium of African Geology

"The earth sciences and Africa's development: current realities, future projections"

26 – 29 September 2023 | **Windhoek, Namibia**

www.cag29gsaf.org



Bamboozled into the scientific program: CAG29 reflection

By Josephine Uushona
Josephine.Uushona@mme.gov.na

The Colloquium of Africa Geology (CAG) is an exciting biennial event that brings geoscientists from all over the world together to share knowledge, network, and form significant professional relationships.

CAG29 chairperson assigned my colleagues and I the task to come up with a winning presentation for hosting the 29th Colloquium of African geology (CAG29), I was positively buzzing with excitement. Just the mere thought of meeting and networking with renowned geoscientists was exciting, especially upon learning that the Geological Survey of Namibia would be hosting this prestigious event. Eager to contribute, I volunteered to pitch in any way I could.

The early stages of event planning were a were a bit of a whirlwind as our team worked tirelessly to secure funds for accommodation, field trips, workshops, and a conference site. Initially, I took on more of a behind-the-scenes role, busy organizing workshops for early-career professionals, students, and for teachers. I must admit, I naively assumed that the workload wasn't quite as much as my colleagues had made it out to be, until I was bamboozled into putting up the scientific program for over 300 speakers, including both poster and oral presentations. Nonetheless, I took on the challenge shashi (because in oshiwambo), as Josephine Naambo Uushona ya Mbashu, born of a solider, tackling obstacles head-on is simply second nature.

However, my confidence was short lived when I saw the sheer number of sessions, sub-sessions, and accepted abstracts. We spent hours meticulously compiling, editing, and reviewing the program, until it was signed off. Unfortunately, our victory was short-lived, when CAG29 chairperson began receiving emails from presenters questioning why their names are not appearing on the program, their names are appearing twice, the title of the abstract is wrong and a few misspelled names (my sincerest apologies for that one), among the many complaints.

At this point, we dropped everything (relationships, kids, gym, life in general) and practically set up camp in Mrs Anna Nguno's office, painstakingly revising the program—proof that the workload wasn't exaggerated after all! In total we spend over 170 hours compiling, correcting, and reviewing the program, only to find ourselves making last-minute changes before the event. Despite our best efforts, the program still fell short of perfection, but we soldiered on, adapting to challenges as they arose. Through it all, this experience taught me the value of resilience and teamwork in the face of adversity. While the road was undeniably rocky, the end result was a testament to our dedication and perseverance.

BOOK OF ABSTRACTS

29th COLLOQUIUM OF AFRICAN GEOLOGY

Windhoek, Namibia

2023

THEME: "The earth sciences and Africa's development: current realities, future projections"

Go to link OR Scan QR Code to access Book of Abstracts

https://www.mme.gov.na/files/publications/643_29th%20COLLOQUIUM%20OF%20AFRICAN%20GEOLOGY%20BOOK%20OF%20ABSTRACT-09-2023.pdf

We are grateful to our sponsors and in-kind contributors for their dedication to fostering innovation and knowledge within the geoscience community. We look forward to partnering with them again on future events.

SPONSORSHIP

SILVER SPONSOR

IUGS

Andrada Mining

BRONZE SPONSORS

B2GOLD

german cooperation

Supported by giz

OTHER SPONSORS

NAMDEB
A Namibia De Beers Partnership

NEDBANK

cimera
DST-NRF Centre of Excellence for Integrated Mineral and Energy Resource Analysis

Excel Dynamic Solutions

CHICCO GROUP OF COMPANIES

BGR

brgm

Dundee Precious Metals

OSINO
RESOURCES

Odikwa GeoServices

ERONGO GEOSCIENCE

KGK
SINCE 1905

mic

ADOPT A STUDENT OR EARLY CAREER INITIATIVE SPONSORS

IN-KIND CONTRITUTION
(Towards Workshops, Courses, & Field Trips)

The CAG29 organization through the secretariat lens

By Samuel Nengola
Samuel.Nengola@mme.gov.na

Introduction

The CAG29 Conference, renowned for its scholarly discussions and networking opportunities, recently concluded its latest installment. As a member of the organizing committee, I embarked on a journey marked by challenges, triumphs, and profound moments of learning. Under the guidance of Ms. Anna Nguno, the chairperson of the CAG29 conference, the opportunity to serve as the CAGA29 conference secretariat offered a unique platform for growth. Being entrusted with such a role for the first time, we began by laying the foundation for all the necessary tasks that needed to be completed. Organizing a conference is a complex endeavor that demands meticulous planning, coordination, and execution, bringing together professionals, experts, and enthusiasts to share knowledge, network, and collaborate

Challenges Faced

The journey of organizing the CAG29 Conference was not without its hurdles. Reflecting on the process of organizing a conference provides valuable insights into the challenges faced, lessons learned, and the overall impact achieved. Securing funding, a critical aspect of event planning, presented a significant challenge. With no immediate financial backing in sight, proposing sponsorship packages and promotional strategies became essential tasks. One of the primary challenges encountered in organizing a conference is managing various logistical aspects. From securing a suitable venue to coordinating travel arrangements for speakers and attendees, each step demands careful attention to detail, especially in times with no funding in sight. The absence of funding heightened the pressure, but it also instilled a sense of resourcefulness and resilience within the team. All in all, CAG29 during the planning and sourcing funding stage proved valuable in many ways, consuming content in other fields other than Geology, teamwork, and events management planning, proposing the initial budget and ensuring all essentials critical for a conference are checked off. As the event took shape, CAG29 provided the opportunity for me to sharpen my leadership skills, putting together

a team, and making sure all required tasks were completed to have a seamless event. As the event drew closer, the challenge of crafting a comprehensive program emerged. Balancing diverse topics, selecting engaging speakers, and accommodating last-minute changes tested our ability to adapt and innovate. Despite the hurdles, the unwavering dedication of the team and the guidance of experienced mentors like Ms. Anna Nguno propelled us forward. The team endured sleepless nights, which shed light on the potential that exists within the young geoscientists within the GSN organization. Additionally, accommodating last-minute changes and addressing unexpected issues during the event adds another layer of complexity to the process. In the end, everything went smoothly; problems arose, but the team had a quick response in ensuring all errors were corrected. As the event commenced, we noticed an event that was well-planned with high-caliber speakers and scientific talks, attended by high-level researchers.

Lessons learned

Reflecting on the process of organizing the conference unearthed invaluable lessons that transcend the realm of event management. Effective teamwork emerged as a cornerstone of success, underpinned by clear communication and shared accountability. Regular meetings and transparent channels of communication fostered cohesion and mitigated misunderstandings, underscoring the importance of collaboration in achieving common goals. Flexibility and adaptability emerged as indispensable qualities in navigating unforeseen circumstances. Despite meticulous planning, challenges inevitably arose, requiring swift and pragmatic solutions. Embracing a solution-oriented mindset enabled us to overcome obstacles and ensure a seamless experience for participants. Moreover, soliciting feedback from attendees and stakeholders proved instrumental in driving continuous improvement. Evaluating the conference's strengths and areas for enhancement paved the way for refinement and innovation in future events, amplifying their impact and relevance.

Impact Achieved

The reflection on the organization of the conference transcended the realm of logistical intricacies, encompassing the broader impact achieved. The CAG29 Conference served as a catalyst for knowledge exchange, collaboration, and professional development. By bringing together diverse perspectives and expertise, it fostered an environment ripe for innovation and inspiration.

Networking opportunities forged during the conference extended far beyond the event itself, nurturing enduring partnerships and catalyzing career advancement. In our division, we needed a trainer for conducting geophysical mineral prospecting, and I can confidently say that CAG29 provided the platform for me to engage with various experts and finally finding the trainer at the conference. The connections made and insights gleaned continue to reverberate, enriching both personal and professional spheres.

Conclusion

Organizing the CAG29 Conference was a transformative journey characterized by challenges, triumphs, and profound moments of growth. Through effective teamwork, adaptability, and a commitment to continuous improvement, we navigated obstacles and delivered a successful event that left a lasting impact on participants and organizers alike. As we reflect on this immersive experience, we emerge with newfound insights, skills, and a renewed sense of purpose, poised to contribute to future endeavors with unwavering enthusiasm and dedication.

Photo Gallery








CAG29

News from GSAf partners

Conferences

The 37th International Geological Congress 2024

Extension of Abstract to 15th March 2024
August 25-31, 2024 | BEXCO, Busan, Republic of Korea

Important Dates

- Registration open : early September 2023
- Early bird registration deadline : (Fri.) 26 April, 2024
- Regular registration : (Sat.) 27 April, 2024 ~ (Fri.) 26 July, 2024
- On-site registration : (Sat.) 24 August, 2024 ~ (Fri.) 31 August, 2024

AMREC PARC

PARC has been developed to enhance competence certification processes in the mineral industry in Africa to keep coherent policies and robust regulatory framework at the regional and continental levels.

The policy document was approved by the African Union, Special Technical Committee (STC), comprising Ministers of Trade, Industry and Mineral Resources of all 55-member States on 3rd September 2021. It was further consolidated by the declaration and approved by the 40th Ordinary Session of the Executive Council made up of all member States Foreign Affairs Ministers on 3rd February 2022. The final adoption of the AMREC/PARC policy document was concluded in the declaration and approval by the 40th Ordinary Session of African Heads of States on 5th February 2022 in Addis Ababa.

Like the Australasian JORC and Canadian N143-101, the PARC code which is the first version of its kind is aimed at boosting stakeholders' confidence in the minerals and energy sectors in Africa particularly for investors and stock market players.

Report of The IUGS Executive Committee Meeting and Geoscience Event in Africa, 19-23 February 2024

The IUGS Executive Committee, for the first time in 63 years, held its Executive committee meeting on African soil between February 19 - 23 in Nairobi, Kenya. This was held in conjunction with the Geoscience in Africa Event, jointly sponsored by the Geological Society of Africa and the Geological Society of Kenya

In September 2023, the 29th Congress of the African Geological Society (CAG 29) was held in Namibia. During the event, Professor Gbenga Okunola, the President of GSAf, and Professor Stan Finney, the General Secretary of the International Union of Geological Sciences (IUGS), discussed the possibility of organizing an event. They also planned the logistics and strategies for the program. Many thanks to the EC of IUGS, who saw reason and the benefits of fully involving the global south, and specifically Africa, in her activities.

The President of GSAf presenting the activities of GSAf at the IUGS executive meeting/ Geoscience in Africa event

The event was mutually beneficial for the African geoscientists from all regions of Africa and was also an eye-opener for the IUGS. African participants presented 17 papers on various key areas and issues related to Geosciences in Africa. The topics discussed included the Pan African and Resource code AMREC/PARC, the Geoscience Information Management System for Africa, GMIS geothermal Energy resources of Africa, Agromineral Potential resources of Africa, Geoinformation Research in Africa, potentials of Geosites/heritage of Africa, Critical/Strategic minerals of Africa and the Low Carbon energy systems, the hydrocarbon potential of Africa, and other important subjects.

Some of the participants at the IUGS /GSAf Geoscience in Africa Event

During that period, there were numerous collaborative interactions between various task groups, as well as working groups of IUGS. These interactions included several breakout sessions, which involved the Publication and Outreach Groups. Some of the episodes that were discussed during these sessions included virtual (by S.K. Lee), website (by G. De Capua), social media (by Y. Agromonte-Rojas), E-Bulletin (by G. Kaur), and GSL books (by S. Finney). The following are the commissions, task groups, and initiatives of IUGS: Stratigraphy (ICS) - virtual (led by D. Harper), History of Geological Sciences (INHIGEO) (led by M. Köbl-Eber), Geoheritage (ICG) (led by A. Hilario), Global Geochemical Baselines (CGGB) (led by G. Simubali), Management and Application of Geoscience Information (CGI) (led by H. Thorleifson), Geoscience Education, Training & Technology Transfer (COGE) (led by S. Occhipinti), Tectonics and Structural Geology (TecTask) - virtual (led by E. Gomez-Rivas), Commission on Geoethics (CG) - virtual (led by S. Peppoloni), Task Group on Submarine Geohazards (TGSG) (led by K. Kawamura), and Initiative on Forensic Geology (IFG) (led by L. Donnelly).

Participants at the IUGS/GSAf/GSK Geoscience in Africa event February 2024

There were also interacting sessions with The IUGS Deep-time Digital Earth (DDE) (by N. Ishwaran), International Lithosphere Program (ILP) (by H. Thybo), and the UNESCO-IGCP program (by K. Mhopjeni).

The three-day event came to an end with the drawing of ten crucial points of cooperation between Africa and the International Union of Geological Sciences (IUGS). These points aim to initiate new ventures in various fields such as Geoscience Education, Energy Research and Development, Medical Geology, Oil and Gas Research, and Decarbonisation, among others. The details of these initiatives and their implementation plans will be presented in the next quarter's newsletter.

By Gbenga Okunlola
President GSAf

Symbolic Presentation of the Hard copy of the CAG 29 book of Abstracts by the President of GSAf Prof. Gbenga Okunlola and the Council members, to the President of the International Union of Geological sciences IUGS standing beside the LOC Chair and Vice President for Southern Africa Region of GSAf is Dr. Stan Finney The General secretary of IUGS

(CAG 30)

Loading...

An inaugural preliminary meeting with a core of the organisers of the GSAf CAG 30 conference September 2025 present were the President of GSAf, VP of GSAf Eastern Africa . Prof Odhiambo, Ms Anna Nguno , LOC chair CAG 29 Namibia and top Government officials and Professors from Kenya and the geological Society of Kenya

Events

In Africa and about Africa

Geological Society Of South Africa 2024 Events

DATE	EVENTS	LOCATION
20-Feb	UNFC Workshop	Online
12-Mar	CPD Workshop	Online
09-Apr	3D Geological Modelling (TECT)	Online
16-Apr	Advanced Excel for Geoscientists (Earthlab)	Online
26-Apr	of Industry	Johannesburg

59TH ANNUAL INTERNATIONAL CONFERENCE & EXHIBITION "JOS 2024"

Emerging Global Perspectives, Trends and Sustainable Development of Minerals and Energy Resources

Date: 17 to 22, March 2024

ASSOCIATION OF WOMEN IN MINING OF AFRICA

AWIMA
ASSOCIATION OF WOMEN IN MINING IN AFRICA

Rest of the World

SEG 2024 Sponsorship Opportunities
WINDHOEK, NAMIBIA September 27–30, 2024

SEG 2024

SUSTAINABLE MINERAL EXPLORATION AND DEVELOPMENT

WINDHOEK, NAMIBIA
SEPTEMBER 27–30, 2024

CONFERENCE THEMES

- The Energy Transition: Metals of the Future
- Specialty Metals and Materials
- Innovative Technology Developments in Mineral Deposit Science
- Africa's Iconic Ore Deposits
- New Discoveries and Developments
- Resource Development: ESG from Exploration to Remediation
- Gold: Enhanced Discovery and Development
- Vital High-Volume Base Metals

SEG 2024

More information:

www.seg2024.org
Society of Economic Geologists

SEG 2024

SUSTAINABLE MINERAL EXPLORATION AND DEVELOPMENT

WINDHOEK, NAMIBIA
September 27–30, 2024

SEG 2024 Sponsorship Opportunities

SEG 2024 will review the need for metals for the future, address the logistical challenges of exploring for and developing resources vital to the UN sustainability goals, highlight innovative developments and exploration discoveries, and feature the critical significance of mineral deposits all over the world. This important conference will be held in Windhoek, Namibia—a country known for its spectacular geology and unique ore deposits and for leading the way in mineral resource sustainability on the African continent.

As a sponsor, you can reach your target audience directly through increased on-site visibility. We anticipate 600 to 800 conference attendees, making this an excellent opportunity to advertise at exhibit booths and through conference events, with your company logo prominently displayed on the conference website, emails, social media, banners, and other conference literature. Sponsorship ensures that SEG can invite conference presenters who are leaders in our field and provides vital support to the next generation of economic geologists through travel grants and discounted registration rates.

Opportunities exist at a variety of levels, including the opportunity to sponsor and brand specific elements of the conference.

SPONSORSHIP LEVELS

	PATRON $60,000	PREMIER $45,000	GOLD $30,000	SILVER $20,000	COPPER $10,000	BRONZE $6,000	SUPPORTER $1,500
Opportunities available	1	3	6	Unlimited	Unlimited	Unlimited	Unlimited
Complimentary conference registration	6	5	4	3	3	2	1
Complimentary exhibit booth	Double, premier location	Single, premier location	Single	Single	N/A	N/A	N/A
Display in plenary hall	Logo included on sponsors slide + individual slide	Logo included on sponsors slide + individual slide	Logo included on sponsors slide	Logo included on sponsors slide	Logo included on sponsors slide	Logo included on sponsors slide	N/A
Logo recognition on conference website, technical program, and e-mail	✓	✓	✓	✓	✓	✓	✓
Pocket program advertising	Inside cover – color	1 ad full page	1 ad ½ page	1 ad ¼ page	N/A	N/A	N/A

All prices listed in United States Dollars (USD)

SEG 2024 is organized in partnership with the Society of Economic Geologists, the Geoscience Council of Namibia, and the Geological Society of Namibia.

SEG 2024

SUSTAINABLE MINERAL EXPLORATION AND DEVELOPMENT

WINDHOEK, NAMIBIA
September 27–30, 2024

Additional Sponsorship Opportunities

Conference Bags – $7,500
Sponsor logo will be prominently displayed on conference bags provided to all attendees at check-in, along with the SEG logo.

Welcome Reception – $10,000
Logo will be displayed on signage at event and included online and in emails related to conference.

Coffee and Tea Breaks – $3,000 each
Sponsor logo will be on signage at beverage and food stations.

On-Site Check-In – $10,000
Sponsor logo will appear at registration desks and on check-in tablet screens used by all attendees.

Conference App – $7,500
Sponsor logo will be displayed on splash screen of app and in any emails associated with the app.

Early Career Program Sponsor – $10,000 each (2 available)
Sponsor logo will appear on signage. Sponsor representative is welcome to address the audience during the Early Career Program.

Conference Lunch – $10,000 each
Sponsor logo will be on signage during lunch. Additional marketing material (postcard size) can be provided at each table.

Potential sponsors may also contact SEG to discuss customized sponsorship.

Sponsor Registration

To become a sponsor, provide the following information on our website:

- Full legal name and address of your company
- Name of contact for invoices
- Name of your company as you would like it appear on the website, emails, printed materials, etc.
- Company logo in vector format
- Company website

www.seg2024.org/sponsorship-opportunities

**If you have any questions about sponsorship, we are happy to answer them.
Please email sponsorship@segweb.org for more information.
We look forward to hearing from you and seeing you and your team in Namibia.**

Opportunities

- Visualize your thesis
- CIMERA
- AGNES GRANT for 2024 (On-HOLD)

Geotherm hub

Geothermal Africa launching the first Geothermal Talk on Geothermal Potential of Africa: The Great Promise and Current Status. 18/01/2024; 19h (GMT+1) and 21h (EAT). GEOTHERMAL AFRICA is a not-for-profit platform dedicated to advancing science and promoting GEOTHERMAL research and development in the AFRICAN continent. The committee aims to serve the AFRICAN GEOTHERMAL community by stimulating knowledge, technology transfer, and information dissemination.

A dynamic and passionate collective of GEOTHERMAL enthusiasts is dedicatedly striving to form the organization. The team includes Tadele Dagne from Ethiopia, Jesse Nyokabi and Ian Biwott from Kenya, Meryem Redouane from Morocco, Philemon Philibert from Tanzania, Dr. Ernest Tshibalo from South Africa, and Kana from Kenya.

The GEOTHERMAL Talk Series aim to help mobilizing the African geothermal community and beyond. The first GEOTHERMAL talk will be held on the 18th of January on the topic of Geothermal Potential of Africa: The Great Promise and Current Status. To make a good and inspiring start, this first talk will have distinguished young experts from Morocco and Kenya discuss the geothermal potential in North and East Africa and highlight the importance of this clean energy resource in creating new horizons in the continent and reduce the energy dependence in the African countries by optimising the consumption and exploring new potential energy resources.

The upcoming Geothermal talk series is set to encompass diverse perspectives and topics for future discussions. These include delving into the strategies adopted by selected African countries targeting the geothermal industry. Furthermore, the series aims to initiate debates on the various potential applications of this energy resource, offering closer insights through specific case studies. Lastly, it will introduce various profiles of individuals actively involved in Geothermal Africa, fostering a broader scope for learning and communication among scientists, senior and junior geologists, and engineers.

The primary goal of these discussions is to raise awareness about the significance of geothermal energy within our societies. By refining the language used, our aim is to make information accessible to a wide audience, both professionals and non-professionals alike. We firmly believe that a comprehensive understanding of geothermal energy is crucial for collaboration among individuals from various backgrounds. By ensuring that professionals and non-professionals alike comprehend the subject; we strive to foster a collective effort towards the advancement of geothermal energy.

The Zoom link for the talk:
https://us06web.zoom.us/j/86875025338?pwd=9u7oMKRv8SklRiao3zNEerptcy4sSo.1
Meryem Redouane

Contact the Council

The Geological Society of Africa's council appreciates your opinion and input. All of your suggestions and comments will be taken into considerations. Just drop us an email:

President: Prof. Gbenga Okunlola (Nigeria); Department of Geology, University of Ibadan. (gbengaokunlola@yahoo.co.uk)

Secretary General: Dr.Adama Sangare (Mali); IAMGOLD Exploration Mali S.A.R.L (Adama_Sangare@iamgold.com)

Honorary Treasurer: Prof. Asfawossen Asrat (Ethiopia); Department of Earth Sciences, Addis Ababa University. (asrata@geol.aau.edu.et)

Assistant Secretary General/Membership Secretary: Prof. Prosper M. Nude (Ghana); Department of Earth Science, University of Ghana. (pmnude@ug.edu.gh)

GSAf's Newsletter Editor/Information Officer: Dr. Daniel Kwayisi (Ghana/South Africa); University of Ghana (dkwayisi@ug.edu.gh)

Vice President for Western Africa: Dr. Yao Agbossoumonde (Togo); Department of Geology, University of Lome. (yagboss12@gmail.com)

Vice President for Eastern Africa: Prof. Beneah Daniel Odhiambo (Kenya); Moi University. (odhiambobdo@gmail.com)

Vice President for Northern Africa: Mr. Nasrrddine Youbi (Morocco); Prince Moulay Abdellah Boulevard, P.O. Box 2390, Marrakech 40000, Morocco (youbi@uca.ac.ma / nasserito@yahoo.com)

Vice President for Southern Africa: Ms. Anna- Karren Nguno (Namibia); Geological Survey of Namibia. (annatjieka@gmail.com)

Vice President for Central Africa: Dr. Bongwele Onanga Guyghens (Democratic Republic of the Congo); Faculty of Sciences and Technology, Unversity of Kinshasa, (bongweleguy@gmail.com)

Councillor for Eastern Africa: Mr. Jean-Claude Ngaruye (Rwanda); Energy, Water and Sanitation Authority. (jeanclaude.ngaruye@rmb.gov.rw)

Councillor for Northern Africa: Dr. Kholoud M. AbdekMaksoud (Egypt); Institute of African Research and Studies, Cairo University. (kholoud.mohamedali@gmail.com)

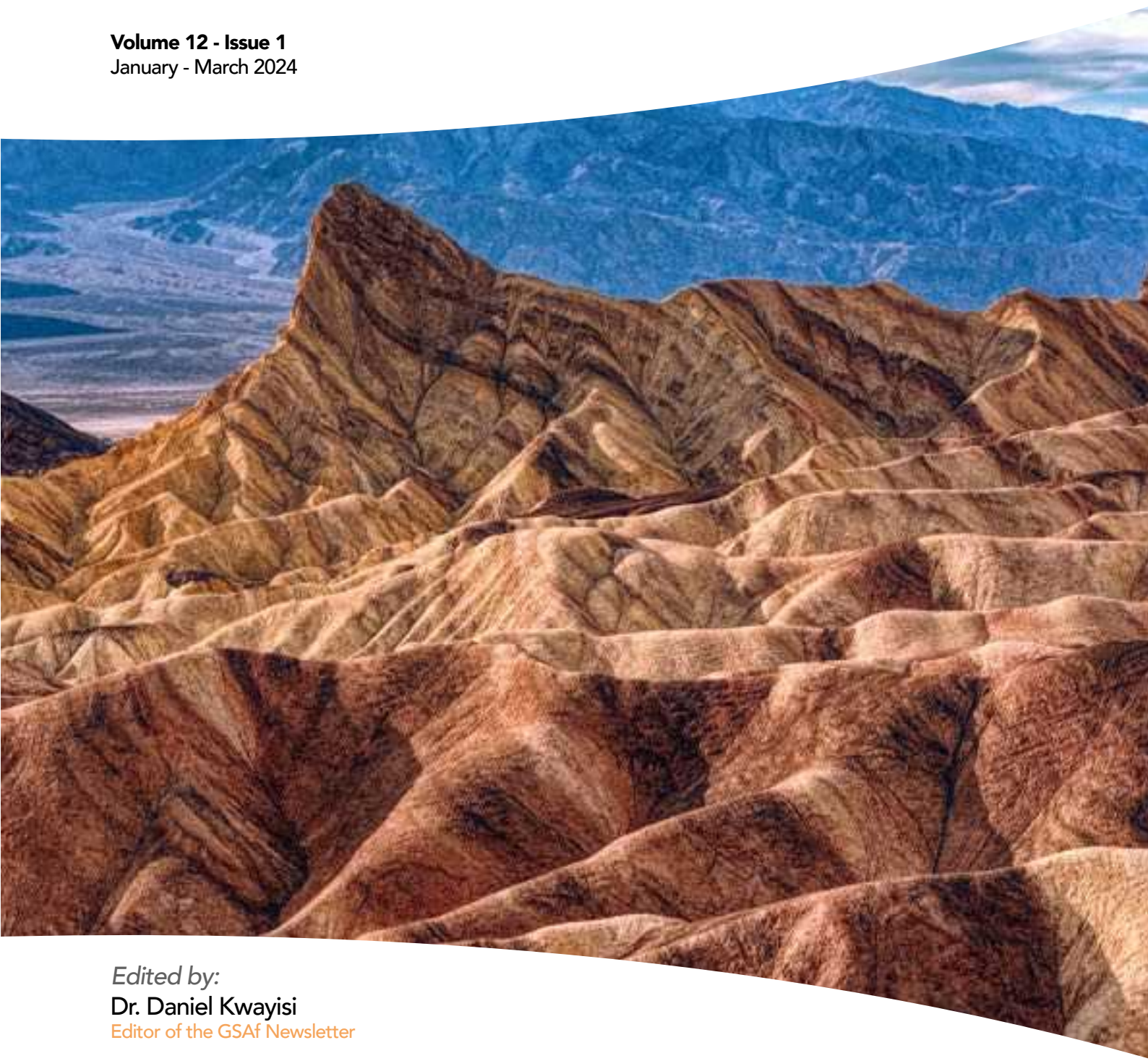
Councillor for Southern Africa: Ms. Paulo Tanganha (Angola); Kilamba Centrality, Kilamba Kiaxi District, Luanda, Angola, (niva.tanganha@gmail.com)

Councillor for Western Africa: Pending

Councillor for Central Africa: Pending

Geological Society of Africa
Newsletter

Volume 12 - Issue 1
January - March 2024



Edited by:
Dr. Daniel Kwayisi
Editor of the GSAf Newsletter

Newsletter Team
Mr. Eli Djomekou
Mr. Nelson Senunyeme