



30th Colloquium of African Geology (CAG30)

Theme: Unveiling Africa's Geological Resources:

Forging a Path for Sustainable Development

**WE, the Stakeholders of the 30th Colloquium of African Geology (CAG30),
convened in Nairobi, Republic of Kenya, from 23rd to 26th September 2025;**

1. Guided by the African Union Agenda 2063, the Africa Mining Vision (2009), African Union (AU) Commodity Strategy, and the UN Sustainable Development Goals (notably SDG 6, 7, 9, 12, and 13);
2. Acknowledging Africa's rich endowment in mineral resources, geothermal energy, oil & gas, water resources and geological sceneries which are instrumental in the economic transformation of countries and resource communities;
3. Recognizing the central role of geosciences in addressing energy transition, medical, electronic, agricultural, water security, disaster risk management, sustainable development among others;
4. Affirming the need for transparent governance, value addition, equitable benefit-sharing, and inclusivity in geological resource management;
5. Reaffirming the importance of Pan-African collaboration, knowledge-sharing, and mentoring in sustaining Africa's geoscience legacy since the inception of the Colloquium in 1964;
6. Cognizant of the urgent need to build Africa's own standards, policies, and institutions in geo-resources exploration and development, engineering geology, geohazard management and geoheritage;
7. Concerned by persistent gaps in geological data, financing, local value addition, and limited research infrastructure;
8. Inspired by Africa's vast untapped geothermal potential, groundwater aquifers, and mineral wealth;



GEOLOGICAL SOCIETY OF KENYA
2ND FLR, UTUMISHI CO-OP HOUSE
MAMLAKA ROAD.

(+254)787 690 529
(+254) 791 308 357

cag30info@cag30nbi.org
cag30.nbi@gmail.com





9. Recognizing the need to preserve Africa's rich geological heritage as an irreplaceable resource for education, culture, identity, and sustainable economic opportunities;
10. Conscious of emerging geoscientific insights which provide natural laboratories for understanding tectonics, mineralization, metamorphism, magmatism, and strategic mineral resources;
11. Reiterating the importance of geoscience education, interdisciplinary research, and innovation (AI, remote sensing, geospatial technologies, isotopic dating, metamorphic and tectonic studies).

Resolutions

We call upon Governments, Regional Economic Communities, Industries, Development Partners, Academia, Private Sector, and Professional Societies to:

A. Governance, Value Addition, and Inclusivity

1. Establish strong and investor friendly policy, legal, and regulatory frameworks for geological resource management to ensure transparency, accountability, and inclusive benefit-sharing.
2. Strengthen geological commitments to local content policies in geoscientific fields.
3. Develop frameworks that would facilitate investments through public private partnerships.
4. Prioritize and facilitate local value addition and beneficiation of Africa's minerals to increase foreign exchange earnings and reduce dependence on importation of finished products.
5. Mainstream gender, youth, and intergenerational mentorship in geosciences to ensure equitable participation.





B. Geohazard Resilience and Engineering Geology

6. Sensitize decision-makers and communities on the need to incorporate geologists in flood management, construction, infrastructure development, land-use planning, and hazard assessment & preparedness.
7. Promote qualitative and quantitative geohazard data collection and ensure risk management is institutionalized from continental, regional, national and to the local levels.
8. Develop geotechnical engineering and construction standards customized to the African context, replacing reliance on foreign standards that may fail to address local aspects.

C. Geothermal and Energy Transition

9. Position green energy as a catalyst for regional growth, reliable power supply, and industrialization.
10. Promote collaborations on geothermal research and development.
11. Every African country must not only transition from fossil fuels to clean energy at its own pace and in a just and inclusive manner.
12. Explicitly link geoscience to climate change adaptation and mitigation.

D. Mineral Exploration, Mapping, and Research

13. Update continental geological maps to guide mineral exploration and tectonic studies.
14. Advance research on metamorphic processes, isotopic dating, and epeirogeny to refine Africa's tectonic history and mineralization models.
15. Promote systematic exploration and joint projects to explore resource potential for sustainable socio-economic development.





16. Strengthen geological surveys, institutions, and research facilities to generate quality and interoperable data.
17. Promote zero-waste mining as pathway to sustainable development and environmental stewardship.

E. Groundwater and Hydrogeology

18. Up-scale groundwater exploration, including deep aquifer mapping, supported by modern technology and data-sharing platforms.
19. Protect aquifers against pollution, contamination, over-abstraction, and climate-induced stress.
20. Promote conjunctive use of surface and groundwater, managed aquifer recharge, and rainwater harvesting to sustain supplies.

F. Geoheritage, Geodiversity and UNESCO Global Geoparks

21. Affirm the central role of local communities in safeguarding and benefiting from geoheritage.
22. Commit support for the UNESCO Global Geoparks Program as a driver of sustainable development, tourism, and community entrepreneurship.
23. Integrate UNESCO and the International Union of Geological Sciences' commitment to new Africa-focused International Geoscience Programme (IGCP) projects, and call for expanded partnerships with industry, civil society, and academia.

G. Education, Innovation, and Collaboration

24. Establish a Pan-African Institute for interdisciplinary geoscience collaboration, integrating all geoscientific disciplines.
25. Institute an African geological publishing platform to promote research and knowledge transfer.





26. Establish a Pan-African Geological Data Repository and promote data sovereignty to ensure Africa retains ownership of its geoscience information.
27. Align geology/geoscientific curricula in academic institutions to relevant industry needs.
28. Promote STEM outreach in schools to nurture the next generation of geoscientists.
29. Encourage innovation and integrate digital technologies (AI, big data, machine learning) in geoscience research.
30. Embrace Pan-African Resource Reporting Code (PARC) under the Auspices of the African Union, as a reporting standard for mineral and energy resources to increase transparency and accountability in the African mining and energy sectors.
31. Scale-up capacity building, training, funding research for balanced and efficient resource exploration, development and management.

H. Financing and Investment

32. Call for innovative financing mechanisms (green bonds, blended finance, climate funds) to support geoscience infrastructure and research.
33. Encourage development banks and African Sovereign Wealth Funds to prioritize geo-resource projects.

Ladies and gentlemen,

CAG30 acknowledges with appreciation the rich knowledge exchanged, the valuable research shared, the strategic partnerships established, and the memoranda of understanding signed during the conference. These outcomes reflect the spirit of





collaboration and mutual commitment that will continue to advance our shared goals beyond the event itself.

The Organizing Committee expresses its deep gratitude to the Geological Society of Africa, Geological Society of Kenya (GSK), International Union of Geological Sciences (IUGS), UNESCO, the Government of Kenya, sponsors, local organizing committee, and all participants whose contributions ensured the success of the 30th Colloquium of African Geology (CAG30).

A black ink signature of Prof. Olugbenga Okunlola.

Prof. Olugbenga Okunlola

President, Geological Society of Africa

A blue ink signature of Joseph Ng'ang'a Kuria.

Joseph Ng'ang'a Kuria

*President, Geological Society of Kenya &
Loc Chair, CAG30*

Nairobi, 26th September 2025

