

The 30th Colloquium of
African Geology
CAG30



THE 30TH COLLOQUIUM OF AFRICAN GEOLOGY (CAG 30) 2025

PROGRAMME AT A GLANCE

Theme:

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



Safari Park Hotel, Nairobi, Kenya



23rd – 26th September 2025



Organized by: The Geological Society of Kenya (GSK) under the auspices of the Geological Society of Africa (GSAf) in collaboration with UNESCO and the IUGS.



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OUR PARTNERS



Regional Centre on Groundwater Resources
Education, Training & Research



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PRE-CONFERENCE FIELD TRIPS

 20TH SEP TO 22ND SEP 2025

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

FIELD TRIP CODE	SITE	TOWNS	PERIOD	COST @PAX	LEAD GEOLOGIST	DATE
GE09	Archean Greenstone belt of Kenya - Precious Metals Mineralization of the Kakamega Gold Belt	Nairobi-Kapsabet-Kakamega-Kisumu-Nairobi	3 Days	USD 600	Geol. Crispus Sang & Geol. Martin Nyakinye	20 th -22 nd September 2025
GE04	International Monitoring System Station of the CTBTO: Its Role in Geohazard Mitigation and Understanding of Foundation Stability of Dams in the Mozambique Mobile Belt	Nairobi-Ruiru-Thika/Ndarugu-Oldonyo Sabuk-Nairobi via Thika Road	1 Day	USD 150	Geol. Edwin Dindi	21 st September 2025
GE05	International Monitoring System Station of the CTBTO: Its Role in Geohazard Mitigation and Understanding of Foundation Stability of Dams in the Mozambique Mobile Belt	Nairobi - Ruiru -Thika/Ndarugu-Oldonyo Sabuk-Masinga-Yatta-Nairobi via Machakos	2 Day	USD 450	Geol. Edwin Dindi	21 st -22 nd September 2025
GE06	Clay Deposits and Paleo-Glaciation of Mt. Kenya	Nairobi- Thika/Chania falls -Chaka-Mukurweini -Nairobi	2 Days	USD 450	Geol. Aaron Waswa & Geol. Japhet Kanoti	21 st -22 nd September 2025
GE02	Kenya's Geothermal Chronicles: Focusing on Exploration, Development, and Utilization	Nairobi-Naivasha - Nairobi via Maai Mahiu	1 Day	USD 150	Geol. James Nyandigisi	22 nd September 2025
GE01	Journey through Geologic Time: Exploring Olorgesailie Prehistoric Site, Soda Ash Extraction at Lake Magadi, and the Formation of the Gregory Rift Valley	Nairobi-Magadi-Nairobi via Kibiko/Kimuka	1 Day	USD 150	Geol. Rahab Kinyanjui	22 nd September 2025

THE 30TH COLLOQUIUM OF AFRICAN GEOLOGY (CAG 30) 2025

PRE-CONFERENCE WORKSHOPS AND SHORT COURSES

📍 SAFARI PARK HOTEL, NAIROBI, KENYA 📅 20TH SEP TO 22ND SEP 2025

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

DATE & TIME	ROOM A	ROOM B	ROOM C	ONLINE
20 TH SEP 2025 0800Hrs–1300Hrs				W06 - Fundamental concepts of GIS and practical applications (By Kamaldeen Olakunle Leif Omosanya – DigGeoNaija, Lagos, Nigeria)
21 ST SEP 2025 0800Hrs–1300Hrs		W10 - Building a Geoscience African Expert Network: A Collaborative Workshop (By Julie Hollis – EuroGeoSurveys)		W08 - Innovative Approaches to Geoscience Education, Science Communication, and Outreach in Africa (By Enas Ahmed – Matrouh University)
22 ND SEP 2025 0800Hrs–1300Hrs	W03 - Reporting of Mineral Resources Using International Reporting Codes (PARC & JORC) (By Deng Ngang Deng – Target Mining Resources)		W15 - Education for Sustainable Development in Geoscience Contexts – Tips and Tools (By Joel Gill, Ahmed Sidi Aliyu – Geology for Global Development)	
22 ND SEP 2025 1400Hrs–1800Hrs	W02 - Fundamentals of Geochemical Analysis in ioGAS for Mineral Exploration and Geological Surveys (By Deng Ngang Deng – Target Mining Resources)	W20 - Geothermal exploration and monitoring with remote sensing and geophysics (By Christoph Hecker, Junior Kimata – KenGen, Mark van der Meijde)	W14 - Research for Local to Global Impact Advancing Sustainability through Science and Partnerships (By Joel Gill – Cardiff University)	

DATE & TIME	ACTIVITY
25 TH SEP 2025 1400Hrs–1800Hrs	UNESCO Geoheritage Workshop Chief Guest: The Cabinet Secretary, Ministry of Tourism and Wildlife. Hon. Rebecca Miano, EGH

TIME	ACTIVITY	
0800Hrs - 0830Hrs	Arrival and Registration	
0830Hrs - 1030Hrs	OPENING CEREMONY – Master of the Ceremony - Alex Chamwanda, OGW, MBS <ul style="list-style-type: none">EntertainmentHigh-level tour of exhibition booths by the Chief GuestNational Anthems: Kenya & East Africa CommunityWelcoming Remarks: Geol. Joseph Kuria Ng'ang'a - President, Geological Society of KenyaRemarks: Prof. Hassina Mouri - President, International Union of Geological SciencesRemarks: Ms. Louise Haxthausen - Director, The United Nations Educational, Scientific and Cultural Organization (UNESCO) Nairobi Regional OfficeRemarks: Prof. Olugbenga Akindeji Okunlola - President, Geological Society of Africa (GSAf)Remarks: Geol. Mohamed M. Shurie, OGW, MBS - Chief Executive Officer, Water Resources Authority (Kenya)Chief Guest: Eng. Eric Murithi Mugaa - The Cabinet Secretary, Ministry of Water, Sanitation and IrrigationGuided Photo SessionEntertainment	
1030Hrs - 1100Hrs HEALTH BREAK		
PANEL SESSION		
1100Hrs - 1130Hrs	Keynote Presentation	Prof. Olugbenga Okunlola - President, Geological Society of Africa (GSAf), Nigeria
1130Hrs - 1230Hrs	Panel Discussion Theme: Unveiling Africa's Geological Resources: Forging a Path for Sustainable Development	Topic: Unveiling Africa's Geological Resources - Forging a Path for Sustainable Development
		Topic: Critical Minerals for the Green Transition - Africa's Hidden Wealth and Global Leverage Panelists: <ul style="list-style-type: none">Prof. Olugbenga Okunlola - President, Geological Society of Africa (GSAf), NigeriaJason Brewer - Chief Executive Officer, Marula Mining PLC, KenyaDr. Ludwig Stroink - Secretary General, International Union of Geological Sciences (IUGS), GermanyGeol. Lojomon Biwott - Chairman, Geologist Registration Board (GRB), KenyaProf. Daniel Ichang'i - Professor & Consultant Geologist, KenyaGeol. Sophia Kutiti - Chairperson, Mineral Rights Board (MRB), KenyaArisekola Tunde Muritala - Senior Advisor, Geological and Mineral Information, African Minerals Development Centre (AMDC), Nigeria/EthiopiaNick Franey - Exploration Geologist, NJF Consulting, Australia Moderator: Dr. Gathuru Mburu - Chief Executive Officer, Kipya Africa, Kenya
1230Hrs - 1300Hrs	Sponsor Spotlight	Presentation by Key Sponsor
1300Hrs - 1400Hrs LUNCH BREAK		
PANEL SESSION		
MC – Michael Karanja: Manager, Upstream Petroleum, (Development and Production) - Energy and Petroleum Regulatory Authority, Kenya		
1400Hrs - 1430Hrs	Presentation by Key Sponsor	

1430 Hrs – 1520Hrs	<div>Panel Discussion</div> <div>Theme: Mineral Resource Exploration - Tools and Techniques</div>	<div>Topic: Smart Exploration Frontiers: Integrating Geophysics, Geochemistry, and Geotechnics for Precision Resource Exploration in Africa.</div> <div>Panelists:</div> <div><ul style="list-style-type: none">Deng Ngang Deng - Managing Director, Target Mining Resources, AustraliaNndwamato Clement Ndou - Council for Geoscience, South AfricaFaith Kasandi - Exploration Geologist, Shanta Gold, KenyaDr. Anna Mwangi - Assistant Manager, Kenya Electricity Generating Company, KenyaGeol Evans Khamala Masachi - Chief Geologist, Executive Office of the President, Kenya</div> <div>Moderator: Dr. Nashon Adero - Lecturer, Mining Engineering Survey & GIS, Taita Taveta University, Kenya</div>
1520Hrs – 1610Hrs	<div>Panel Discussion</div> <div>Theme: AI and Machine Learning in Geosciences in Africa</div>	<div>Topic: Harnessing AI and Machine Learning for Transformative Geoscience Applications in Africa</div> <div>Panelists:</div> <div><ul style="list-style-type: none">Prof. Michael Stephenson - Director, Stephenson Geoscience Consulting Ltd, United KingdomKarel Martinek - Lecturer at Charles University in Prague, Czech RepublicDr. Meshack Amimo - Principal Hydrogeologist, Water Resources Authority, KenyaPurity Ndanu - Exploration Geologist, The University of Nairobi, KenyaDr. Nashon Adero - Lecturer, Mining Engineering Survey & GIS, Taita Taveta University, Kenya</div> <div>Moderator: Kathleen Asena - Geophysicist, National Oil Corporation of Kenya</div>
1610Hrs – 1620Hrs	Recap - Day One and Brief on Day Two	
1620Hrs - 1700Hrs POSTER PRESENTATIONS, TEA, AND NETWORKING		

DATE & TIME	ACTIVITY
23rd SEP 2025 1300Hrs-1900Hrs	United in Geosciences-New horizons for IUGS/UNESCO & Africa Special Session Sponsored by IUGS

THE 30TH COLLOQUIUM OF AFRICAN GEOLOGY (CAG 30) 2025

📍 SAFARI PARK HOTEL, NAIROBI, KENYA 📅 23RD SEP TO 26TH SEP 2025

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

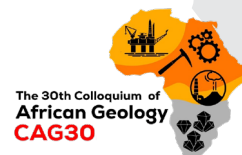
DAY 1: TUESDAY, 23RD SEP 2025 / POSTER PRESENTATIONS

POSTER ID	THEME	TITLE AND PRESENTER
T1 - 002	Theme 1	Topic: Integration of remote sensing and geological mapping for mineral exploration in Marimanti Area, Tharaka-Nithi County, Kenya Presenter: Kennedy Mutugi
T1 - 007	Theme 1	Topic: Characterizing submarine groundwater discharge and its importance for Mangrove ecosystems in Lamu Island, Kenya Presenter: Mercy Nasimiyu Kundu
T1 - 019	Theme 1	Topic: Petro-structural and geochemical analysis for the valorization of the phlogopite deposit of Ampandranda (Southern Madagascar) Presenter: Miora Harlavy Rakotondrabe
T1 - 051	Theme 1	Topic: The application of geophysical methods for delineation of structure controlling Gold deposits at Nyang'wale-Geita, Tanzania Presenter: Benezheth Laurent Sakila
T7 - 002	Theme 7	Topic: Spectral interpretation of minerals Presenter: Vincent Bosire
T7 - 003	Theme 7	Topic: Petrogenesis of basalt and associated silicic rocks from the upper Omo Valley volcanic section, Southwestern Ethiopia Presenter: Getnet Assefa
T7 - 004	Theme 7	Topic: Integrated geochemistry, geostatistics, and sedimentology to identify Gold-bearing zones at Bipindi, Southern Cameroon Presenter: Raoul Gake Belle
T7 - 005	Theme 7	Topic: Exploration model for an intrusion-related Gold deposit; Anomaly 482, West Kenya Presenter: Dennis Obwocha Achoki
T7 - 007	Theme 7	Topic: Integrating geological mapping, geochemistry, and remote sensing to unveil mineral potential in the Kunene Complex, Northwestern Namibia Presenter: Sarafina Kashiwalwa
T7 - 018	Theme 7	Topic: Advancing cost-effective mineral exploration through hyperspectral imaging: A case study from the Council for Geoscience Presenter: Clement Ndou



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

DAY 2: WEDNESDAY, 24TH SEP 2025



TIME	ACTIVITY			
0800Hrs – 0830Hrs	Arrival & Registration			
0830Hrs – 0930Hrs	Plenary Speech Theme: Petroleum, Coal, and Energy Resources Amidst Climate Change Plenary Keynote Speaker: Principal Secretary: State Department for Petroleum, Ministry of Energy and Petroleum - Mr. Mohamed Liban, CBS			
0930Hrs-1000Hrs HEALTH BREAK				
	BOGORIA ROOM	SAMBURU ROOM	TSAVO ROOM	LEOPARD ROOM
1000Hrs – 1020Hrs	Theme: Ore Deposit Geology of Africa (Mineral Resources and Ore Forming Processes) Keynote 1: Ore Deposit Models & The Mineral Systems Approach Presenter: Arisekola Tunde Muritala - Senior Advisor, Geological and Minerals Information, African Minerals Development Centre (AMDC), Nigeria/Ethiopia	Theme: Petroleum, Coal, and Energy Resources Amidst Climate Change Keynote 2: Regulatory framework for sustainable petroleum exploration and utilization: Presenter: Eng. Edward Kinyua - Director, Petroleum & Gas - Energy and Petroleum Regulatory Authority, Kenya	Theme: Trends in the Development of Minerals in Africa Keynote 3: Remarks by Session Moderator	Theme: Pan African Orogeny, Plate Tectonics and Earth Processes Keynote 4: Pan-African Orogeny, Plate Tectonics, and Earth System Processes: Deciphering the Geological Evolution of Africa and Beyond Presenter: Prof. Edwin Dindi - Senior Lecturer - University of Nairobi, Kenya
1020Hrs – 1120Hrs	Panel Discussion: Ore Deposit Geology of Africa – Geological Processes, New Discoveries and Outlook <ul style="list-style-type: none">Prof. Daniel Ichang¹ - Professor & Consultant Geologist, KenyaArisekola Tunde Muritala - Senior Advisor, Geological and Mineral Information, African Minerals Development Centre (AMDC), Nigeria/EthiopiaAbner Nghoangoloka - Ministry of Industries, Mines and Energy, NamibiaLameck Ngereja - Geologist, Barrick Gold CorporationNancy Muriungi - University of Rhodes, Kenya	Panel Discussion: Pathways for Sustainable Growth – Balancing Upstream Petroleum Development with Climate Resilience <ul style="list-style-type: none">Geol. Joseph Otieno - Commissioner for Petroleum - Ministry of Energy and Petroleum (State Department for Petroleum), KenyaAnastasia Wanjohi - Project Manager - Cella Mineral Storage, KenyaProf. Olusola Johnson Ojo -Department of Geology - Federal University Oye-Ekiti, NigeriaStephen Sherura - Principal Petroleum Officer at Ministry of Energy and Mineral Development, Uganda	TSAVO ROOM Code: TL_001 Mohammed Abubakar Mohammed Integration of seismic and petrophysical data for effective Geospatial exploration and field development in the Otio Oil field, Niger Delta TSAVO ROOM Code: TL_003 Amina Ali Migmatite as a possible source of rare earth elements, Gold, and Copper	Panel Discussion: Deciphering the Geological Evolution of Africa and Beyond <ul style="list-style-type: none">Camille Francois - Geologist - Africa Museum, BelgiumDr. Bastien Linol - Nelson Mandela University, Africa Earth Observatory Network, South AfricaProf. Axel Hofmann - Associate Professor - University of Johannesburg, South AfricaDr. Pavlina Hasalova - Researcher - Czech Geological Survey, CzechProf. Yao Agbossoumondé - Associate Professor - University of Lomé, Togo

	<p>Moderator: Geol. Martin Nyakinye - State Department for Mining, Kenya</p>	<p>Moderator; Eng. Edward Kinyua - Director, Petroleum & Gas - Energy and Petroleum Regulatory Authority, Kenya</p>	<p>TSAVO ROOM</p> <p>Code: T1_004 <i>Umar Lawan Dalarima</i></p> <p>Rhyolite as a possible source of Monazite mineralization within Metatexite Migmatites of Bauchi, North East, Nigeria</p>	<p>Moderator: Prof. Edwin Dindi: Professor - University of Nairobi, Kenya</p>
1120Hrs - 1135Hrs	<p>BOGORIA ROOM Code: T10_023 <i>Anouk Margaretha Borst</i></p> <p>Flake Graphite Occurrences on Idjwi Island in Lake Kivu, DRC: Origin and Economic Potential in The Mesoproterozoic Karagwe-Ankole Belt</p>	<p>SAMBURU ROOM Code: T2_006 <i>Olubunmi Christopher Adeigbe</i></p> <p>Diamondoid geochemistry of Bitumen from Eastern Dahomey Basin, Nigeria</p>	<p>TSAVO ROOM Code: T1_014 <i>Maryce Nandeché Obindah</i></p> <p>Appraisal of the structures, alteration, and deformational phases of the Rambí Gold Target, Western Kenya</p>	<p>LEOPARD ROOM Code: T9_002 <i>Thomas Fullgraf</i></p> <p>Mesoproterozoic orogeny in Malawi – the Irumide Event</p>
1135Hrs - 1150Hrs	<p>BOGORIA ROOM Code: T10_004 <i>Riad Ben El Khaznadji</i></p> <p>The REE-rich Felsic Cenozoic volcanism of the Hoggar: Petrogenesis and setting context</p>	<p>SAMBURU ROOM Code: T2_007 <i>Olubunmi Christopher Adeigbe</i></p> <p>Compound-specific Isotope analysis of carbon in characterizing a suite of complex oils from the Niger Delta Depobelts, application of Nigeria.</p>	<p>TSAVO ROOM Code: T1_018 <i>Teklay Gidey Tekia</i></p> <p>Origin and the possible industrial application of Adi Hano Kaolin resources, Northern Ethiopia</p>	<p>LEOPARD ROOM Code: T9_004 <i>Camille François</i></p> <p>Late Panafrican metamorphic evolution of garnet-bearing graphitic micaschists in the West Congo Belt (Boma region, Kongo Central, Democratic Republic of Congo)</p>
1150Hrs - 1205Hrs	<p>BOGORIA ROOM Code: T10_005 <i>Mahamadou Diallo</i></p> <p>Tectonic setting and metallogenesis of the Kédougou-Kéniéba Inlier: Exploration implications</p>	<p>SAMBURU ROOM Code: T2_003 <i>Joshua Ouko Atuta</i></p> <p>Bouguer anomaly disintegration for subsurface Exploration: Case study at Magadi Basin, Southern Kenyan Rift Basin</p>	<p>TSAVO ROOM Code: T1_020 <i>Everjoy Muchefa</i></p> <p>Africa is awakening in the natural mineral resources sector.</p>	<p>LEOPARD ROOM Code: T9_006 <i>Getnet Assefa</i></p> <p>Tectonometamorphic history of Precambrian rocks in Gato Area, Southwestern Ethiopia</p>
1205Hrs - 1220Hrs	<p>BOGORIA ROOM Code: T10_008 <i>Safiyau Muhammad Elatikpo</i></p> <p>Elemental and Boron Isotope fingerprints of metamorphic fluid origin in gravitic Tourmaline from Bakoshi, Northwestern Nigeria</p>	<p>SAMBURU ROOM Code: T2_005 <i>Susanna S. Boateng</i></p> <p>Diagenesis of sandstones from the Neoproterozoic Kwahu-Bombouakaothep of the Voltaian Supergroup: Implications for reservoir quality characterization.</p>	<p>TSAVO ROOM Code: T1_024 <i>Luise N. Leonard</i></p> <p>Mineralogy and geochemical characterization of geophagic clays in the Zambesi Region.</p>	<p>LEOPARD ROOM Code: T9_007 <i>Krystof Verner</i></p> <p>New national geological and hydrogeological Map of Ethiopia at a Scale of 1:1,200,000</p>
1220Hrs - 1235Hrs	<p>BOGORIA ROOM Code: T10_012 <i>Abner Ngoangoloka</i></p> <p>Genesis and geochemical characteristics of the Epungwe Copper-Silver prospect, Opuwo District, Kunene Region, Namibia</p>	<p>SAMBURU ROOM Code: T2_032 <i>Adizua Okechukwu Frank</i></p> <p>Time-frequency based techniques for imaging hydrocarbon prospective zones and associated structures in a Niger Delta Basin Offshore Field, Nigeria</p>	<p>TSAVO ROOM Code: T1_025 <i>Emmanuel Chinkaka</i></p> <p>From waste to resource: Geochemical and mineralogical analysis of the UIS pegmatite tailings for the circular economy</p>	<p>LEOPARD ROOM Code: T9_013 <i>Pier Lorenzo Fantozzi</i></p> <p>Geomorphological evolution of Northeastern Somalia</p>
1235Hrs - 1250Hrs	<p>BOGORIA ROOM Code: T10_026 <i>Axel Hofmann</i></p> <p>A review of critical factors responsible for Witwatersrand Gold mineralization</p>	<p>SAMBURU ROOM Code: T2_011 <i>Olawale Olakunle Osinowo</i></p> <p>Structural interpretation and sequence stratigraphy of Kolmani Basin, Northeast Nigeria, Using 3d seismic data and well log data for enhanced hydrocarbon prospectivity</p>	<p>TSAVO ROOM Code: T1_027 <i>Nana A. Antwi-Baasiako</i></p> <p>Geochemical analysis of rocks from the Nasia Basin, Northeastern Ghana</p>	<p>LEOPARD ROOM Code: T9_015 <i>Ama Geingos</i></p> <p>Characterization of carbonate rock facies of the Cryogenian Ondole sequence Using Carbon Isotopes, Opuwo, NW Namibia</p>

1250Hrs – 1305Hrs	BOGORIA ROOM Code: T10_027 <i>Borst Anouk M.</i> Incremental emplacement and metasomatic overprinting of the giant Manono-Kitotolo Spodumene Pegmatites, Democratic Republic of the Congo	SAMBURU ROOM Code: T2_013 <i>Maxwell Amponsah-Dacosta</i> Sealing the Deal: CO ₂ Storage in the Pletmos Basin	TSAVO ROOM Code: T1_030 <i>Kelvin Kipkemboi Ronoh</i> Manganese mineralisation and its economic viability in Kilifi County	LEOPARD ROOM Code: T9_016 <i>David M. Evans</i> Widespread mafic sill and effusive magmatism in the Karagwe-Ankole belt, East Africa: a Large Igneous Province?
1305Hrs-1320Hrs	BOGORIA ROOM Code: T10_007 <i>Martin Odhiamba Nyakinye</i> An Investigation of a precious and base metal stockwork deposit within a suspected Kimberlite body, at Bala Hot-Spring area, in Homa Bay County, Kenya.	SAMBURU ROOM Code: T2_031 <i>Akaha Tse</i> Serpentinization and Fairy Circles: Implications for the Green Hydrogen Project in Namibia	TSAVO ROOM Code: T1_054 <i>Japhet Nasson Fungo</i> Remote Sensing-Based Geological Mapping of the Sangu-Ikola Carbonatite Complex, Southwestern Tanzania	LEOPARD ROOM Code: T9_040 <i>David Buriānek</i> Soil Mapping as a Tool for Understanding Nutrient Release from Volcanic Rocks in the Southern Part of the Main Ethiopian Rift
1305Hrs – 1400Hrs LUNCH BREAK				
1400Hrs – 1415Hrs	BOGORIA ROOM Code: T10_017 <i>Lenka Baratoux</i> The West African Exploration Initiative Project – What did we learn and where do we go?	SAMBURU ROOM Code: T2_016 <i>Selly Rono</i> Investigation of Natural Gas Manifestation Within the Kenya Rift System	TSAVO ROOM Code: T1_032 <i>Beneah D. Odhiamba</i> Suitability of Thulamela Clays for Use in the Ceramic Industry: A Case Study in Thulamela Municipality, Limpopo Province, South Africa	LEOPARD ROOM Code: T9_026 <i>Kamogelo Moswaane</i> Petrogenesis, Geochemistry, and U-Pb Geochronology of the Granites from Mahalapye Complex: Implications for Metasomatism, Regional Metamorphism, and the Tectonic Evolution of the Central Zone of Limpopo Mobile Belt in Eastern Botswana.
1415Hrs – 1430Hrs	BOGORIA ROOM Code: T8_001 <i>Avery Nkangala</i> Geochemical Modelling and Data-Driven Prospectivity of Carbonatites	SAMBURU ROOM Code: T2_017 <i>Mangs, Ayuba</i> Geochemical and Mineralogical Secrets of Cretaceous – Cenozoic Coals in the Upper Benue Trough, Nigeria.	TSAVO ROOM Code: T1_034 <i>Damien Delvaux</i> Stratigraphic correlation between Supergroups of the Mesoproterozoic Karagwe-Ankole Belt across the Kivu rift - A review and new data from the Nya-Ngezie, Kalehe, and Idjwi sectors in eastern DRC	LEOPARD ROOM Code: T9_017 <i>Augustin Yao Koffi</i> A Tectonic Model for the Juxtaposition of Granulite- and Amphibolite-Facies Rocks in the Eburnean Orogenic Belt (Sassandra-Cavally Domain, Côte d'Ivoire)
1430Hrs – 1445Hrs	BOGORIA ROOM Code: T8_004 <i>Kathleen Asena</i> Machine Learning in Oil and Gas Data Management: A Case of Well Log Prediction	SAMBURU ROOM Code: T2_019 <i>Maxwell Amponsah-Dacosta</i> Mining Waste, Climate Gains!	TSAVO ROOM Code: T1_035 <i>Wolkowicz Stanislaw</i> Post-Mining and Post-Processing Waste Dumps in Africa as Anthropogenic Mineral Deposits: A Case Study	LEOPARD ROOM Code: T9_018 <i>Štěpán Dvořák</i> Geodynamic Evolution of the Main Ethiopian Rift: Timing and Spatial Distribution of Volcanic and Tectonic Activity
1445Hrs – 1500Hrs	BOGORIA ROOM Code: T8_008 <i>Victor Cedric Ng'ang'a</i> Deep Learning for Seismic Hazard Assessment and Resource Exploration	SAMBURU ROOM Code: T2_023 <i>Olusola Johnson Ojo</i> Characterization Of Agbaja And Okobo Coals, Southern Bida And Northern Anambra Basins, Respectively, Nigeria	TSAVO ROOM Code: T1_037 <i>Pascal Mambwe</i> Geometallurgical Ore Classification in the Katanga Copperbelt (DRC): Implications in the Ore Control and Exploration Perspective	LEOPARD ROOM Code: T9_020 <i>Jan Valenta</i> Enhancing Earthquake Monitoring in the Southern Main Ethiopian Rift: Insights from a Newly Established Seismic Network in Arba Minch

1500Hrs- 1515Hrs	BOGORIA ROOM Code: T8_009 <i>Thomas Fullgraf</i> AfricaMaVal - Mineral Potential Mapping Study of European Critical Raw Materials (ECRM) of Africa	SAMBURU ROOM Code: T2_025 <i>Matthew Nton</i> Petrophysical Characterization and 3D Seismic Interpretation of Reservoir Units of the Sokor-1 Formation, Fana Low Uplift, Termit Basin, Southeastern Niger	TSAVO ROOM Code: T1_038 <i>Félix Oufouet Konan</i> Lithium and Rare Metal Enrichment in the Pegmatites of Boundiali, Côte D'Ivoire: Implications for the Energy Transition	LEOPARD ROOM Code: T9_023 <i>Aimée Love Pay</i> Petrological and Geochronological Study of the Paleoproterozoic Kimeza Supergroup in the Matadi Region (Kongo Central, D.R. Congo)
1515Hrs – 1530Hrs	BOGORIA ROOM Code: T8_011 <i>Martins Arowolo</i> Machine learning methods for groundwater level prediction in the Main Ethiopian Rift	SAMBURU ROOM Code: T2_028 <i>George Okoko</i> Integrating Geophysics and Remote Sensing for Site Characterization for Geologic Carbon Storage: Insights from the Kenya Rift Valley	TSAVO ROOM Code: T1_041 <i>Conrad Groenewald</i> A Jurassic Oddity: Ni-Cr-Enriched Olivine Gabbros Emplaced into the Lower Karoo Supergroup, South Africa	LEOPARD ROOM Code: T9_022 <i>Donald Olebile Ntema</i> Geological and Structural Evolution of the Phikwe Complex, N.E. Botswana
1530Hrs – 1545Hrs	BOGORIA ROOM Code: T8_014 <i>Michael H. Stephenson</i> Large Language Models in Palynological Taxonomy	SAMBURU ROOM Code: T2_028 <i>Ndeye Khady Ndiaye</i> Integrated Organic and Inorganic Geochemistry for Assessing the Hydrocarbon Potential of Upper Jurassic-Lower Cretaceous Sediments in the Senegalo-Mauritanian Basin, West Africa.	TSAVO ROOM Code: T1_044 <i>Olugbenga Okunlola</i> General Scope, Principles of the Pan African Resource Reporting Code (PARC), and the Contribution to Mineral Resource Development of Africa	LEOPARD ROOM Code: T9_029 <i>Yannick Callec</i> Updated Understanding of the Karoo System in Malawi
1545Hrs – 1600Hrs	BOGORIA ROOM Code: T8_015 <i>Chimango Chisuwo</i> Hyperspectral Remote Sensing and Machine Learning for Enhanced Exploration of Lateritic Illitic Kaolinitic Clay Substitute Cementitious Materials	SAMBURU ROOM Code: T2_030 <i>Janine Cole</i> The Importance of Structures in a Helium Gas Field in the Mpumalanga Province, South Africa		LEOPARD ROOM Code: T9_030 <i>Petra Maierova</i> Thermal Evolution, Deformation and Melting in Southern Madagascar during the Orogeny - Insights from Numerical Models
1600Hrs – 1615Hrs	BOGORIA ROOM Code: T8_015 <i>Chimango Chisuwo</i> Hyperspectral Remote Sensing and Machine Learning for Enhanced Exploration of Lateritic Illitic Kaolinitic Clay Substitute Cementitious Materials	SAMBURU ROOM Code: T13_021 <i>Rofhiwa Innocent Roselavhe</i> Exploring Strategic Communication Approaches in Multi-Sectoral Collaboration for Carbon Capture, Utilisation, and Storage (CCUS) Advocacy in South Africa: Challenges and Solutions		LEOPARD ROOM Code: T9_031 <i>Axel Hofmann</i> Schist Belts of the Benin-Nigeria Shield Reveal a Neoproterozoic History
1615Hrs – 1630Hrs	BOGORIA ROOM Code: T8_051 <i>Lameck Ngereja</i> Advances in Geocomputation and Geospatial Artificial Intelligence for Mapping			LEOPARD ROOM Code: T9_033 <i>Bazebizonza Tchiguina Nicy Carmel</i> Transpressive Strike-Slip: Ulling and Cave Development in the West Congo Supergroup: Insights from the Mbelo Caves in the Madingou Region, Republic of Congo
1630Hrs-1700Hrs				
POSTER PRESENTATIONS, TEA AND NETWORKING				
1700Hrs – 1900Hrs				
General Assembly of the Geological Society of Africa (AT TSAVO ROOM)				
CONFERENCE DINNER				
Open from 1800Hrs				

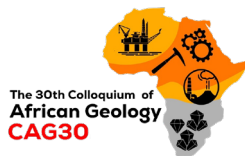
Geological Society of Kenya President's Dinner – Chief Guest Geol. Joseph N. Kuria

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

DAY 2: WEDNESDAY, 24TH SEP 2025 / POSTER PRESENTATIONS



ID	THEME	TITLE AND PRESENTER
T10 - 019	Theme 10	Topic: Prospectivity for Cu-Ni of mafic-ultramafic intrusive bodies in the Mbinga area, Tanzania Presenter: David M. Evans
T10 - 020	Theme 10	Topic: Mineralogy and Geochemistry of the Florencite from Luishia Principal Cu-Co(U) Deposit (Katanga Copperbelt, DRC): Genetic Implication Presenter: Pascal Mambwe
T10 - 022	Theme 10	Topic: Characterisation of the Gold- and Tin-Bearing Vein System in Twangiza-Namoya Gold Belt within the Mesoproterozoic-Neoproterozoic Chain, Kivu (Democratic Republic of Congo) Presenter: Toussaint Mushamaliwa
T10 - 025	Theme 10	Topic: The Evolution of Phosphates and Associated Mineral Assemblages at Mrima Hill Carbonatite, S.E. Kenya Presenter: Purity Muihaki Kamau
T2 - 004	Theme 2	Topic: Foraminiferal Biostratigraphy and Paleo Environmental Analysis of HNS-01 Well, Coastal Swamp Depobelt, Niger Delta Basin, Nigeria Presenter: Henry Nasir Suleiman
T2 - 024	Theme 2	Topic: Beyond South Lokichar: Visualise the Bigger Picture of Exploring Multiple Kenya Basins Presenter: Anthony Muthumbi Mutua
T2 - 027	Theme 2	Topic: Reservoir and Rock Physics Analysis in "ADE" Field Offshore Niger Delta Presenter: Aderoju Oluwaferanmi Ikeade
T2 - 029	Theme 2	Topic: Multidisciplinary Characterisation of the Guba Seam, South Africa: Implications for Coal: Utilization Presenter: Connie Setladi
T9 - 003	Theme 9	Topic A: Petrographic and Geochemical Survey Over Mafic Rocks of the Bomu Craton (DRC) Presenter: Patient Kananu
T9 - 019	Theme 9	Topic: Petrogenesis of Archean Crustal Rocks in The Man-Léo Shield (Western Côte D'Ivoire): Insights into Paleoproterozoic Crustal Accretion Processes Presenter: Gnagnon Raymond-Stéphane Koffi
T9 - 025	Theme 9	Topic: Sapphire and Ruby Deposits Associated with Shear Zones in the Granulite Terrains of Southern Madagascar Presenter: Alfred Solofomampely Andriamamonjy
T8 - 003	Theme 8	Topic: A Machine Learning Approach for Classifying Lithological and Hydrothermal Zones from Geological Well-Logs: A Case from The Olkaria East Geothermal Field, Kenya Presenter: Bernard Omwenga
T8 - 006	Theme 8	Topic: Machine Learning for Rare Earth Elements Prospectivity in Africa Presenter: Avery Inyangala
T8 - 007	Theme 8	Topic: Reimagining Earth Learning with Machines Presenter: Elizabeth Gakunga
T8 - 010	Theme 8	Topic: Geostatistical and machine learning based groundwater level and yield modelling in southern Ethiopia: current state and near prospects; can artificial intelligence help? Presenter: Karel Martinek
T8 - 013	Theme 8	Topic: Monte Carlo-Based Probabilistic Risk Analysis of Toxic Elements in Mining Soils: Source-Specific Insights from Southwestern Ghana Presenter: Daniel Kwayisi
T8 - 018	Theme 8	Topic: The Prediction of Uranium Occurrence Using GIS Based Geostatistical Algorithms in Erongo Region Presenter: Silas Taleni David
T8 - 050	Theme 8	Topic: A Dam Based Water Resources Management Planning for Makutupora Basin in Tanzania Using Google Earth Engine. Presenter: Josephat Kadoto
T1 - 012	Theme 1	Topic: Petrography and preliminary geochemistry of the North Idjwi Island Granitoids (South Kivu, DRC) with a view to lithium exploration Presenter: Paterne Mulimbi Kagarabi



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

DAY 3: THURSDAY, 25TH SEP 2025

TIME	ACTIVITY
0800Hrs - 0830Hrs	Arrival & Registration
0830Hrs - 0930Hrs	Plenary Speech Theme: Sustainable Development of Groundwater Resources in Africa: Challenges and Mitigation Measures for a better tomorrow Plenary Keynote Speaker: The Cabinet Secretary, Ministry of Water, Sanitation and Irrigation. Eng. Eric Murithi Mugaa,
0930Hrs-1000Hrs HEALTH BREAK	

	TSAVO ROOM	BOGORIA ROOM	SAMBURU ROOM	LEOPARD ROOM
1000Hrs - 1020Hrs	<p>Theme: Geothermal Development Maximizing Geothermal Energy as a Key Green Energy Resource in Africa.</p> <p>Keynote 5 : Strategic Investment Opportunities for Independent Power Producers</p> <p>Presenter: <i>Dr. Stephen Onacha</i> - Director, Geothermal Resource Development - Akiira Geothermal Ltd, Kenya</p>	<p>Theme: Sustainable Development of Groundwater Resources in Africa: Challenges and Mitigation Measures for a Better Tomorrow</p> <p>Keynote 6: Securing Africa's Groundwater Future: Integrated Strategies for Sustainable Development, Resilience, and Equity:</p> <p>Presenter: <i>Mohammed Shurie</i> - CEO - Water Resources Authority, Kenya</p>	<p>Theme: Geo-heritage, Geo-diversity and Geo-tourism</p> <p>Keynote 7 : Geo-heritage, Geo-diversity and Geo-tourism -</p> <p>Session moderator: <i>Prof. Asfawossen Asrat</i> - Professor at the Botswana International University of Science and Technology.</p> <p>Geol. Teopister Sind - Senior Geologist State Department for Mining</p>	<p>Theme: Engineering Geology, Geo-techniques and Geohazards</p> <p>Keynote 8 : Development of Seismic Hazard Maps and Microzonation Models for Urban Planning</p> <p>Presenter: <i>Geol. Gladys Kianji</i> - Senior Lecturer, University of Nairobi, Kenya</p>
1020Hrs - 1120Hrs	<p>Panel Discussion: Accelerating Geothermal Development in Africa</p> <ul style="list-style-type: none"> <i>Albano Mahecha</i> - Manager, Tanzania Geothermal Development Company Limited (TGDC), Tanzania <i>Darrel Boyd</i> - Managing Partner, International Line Services Limited, Kenya/Ethiopia <i>Dr. Stephen Onacha</i> - Director, Geothermal Resource Development, Akiira Geothermal Ltd, Kenya <i>Richard Mavisi</i> - Secretary, Geo-Exploration, State Department for Energy, Ministry of Energy and Petroleum, Kenya 	<p>Topic: Most pressing challenges facing the sustainable management of groundwater resources across Africa today</p> <ul style="list-style-type: none"> <i>Fredrick Mwangi</i> - Director, Nottawasaga Institute, Kenya <i>Maideyi Meck</i> - Professor, University of Zimbabwe <i>Chrispine Juma</i> - Individual Consultant, Integrated Water Resources Management, Kenya 	<p>SAMBURU ROOM Code: T6_052 <i>E. Diaz-Martinez</i></p> <p>Geoheritage inventory for Baringo County, Kenya: Assessment of Geosite RV-BC-001, Quaternary hominin footprints at Lung'ok</p> <p>SAMBURU ROOM Code: T6_021 <i>Ms. Teopister Sind</i></p> <p>Geoheritage inventory for Baringo</p>	<p>Panel Discussion: Mapping the Emerging Issues on Engineering Geology, Geo-techniques and Geo-hazards</p> <ul style="list-style-type: none"> <i>Tamara Kamanga Nthara</i> - Lecturer, Disaster Risk Management, Malawi <i>Prof. Zachary Kuria</i> - Lecturer - Technical University of Kenya <i>Geol. Dan Odero</i> - Consultant - Georama Engineering Services Ltd, Kenya <i>Dr Leta Megerssa</i> - Czech Geological Survey - Ethiopia / Czech Republic

	<ul style="list-style-type: none"> • Eng. Cornel Ofwona – General Manager, Strategy & Planning, Geothermal Development Company, Kenya • Daniel S. Saitet – Geothermal Resource Assessment Manager, Kenya Electricity Generating Company (KenGen) PLC, Kenya <p>Moderator Dr. Isaac Kanda – Manager, Geothermal resource assessment, Geothermal Development Company, Kenya</p>	<ul style="list-style-type: none"> • Dr. Lydia Roos – Director of Research at the French National Centre for Scientific Research (CNRS), France • Geol. Agnes Mbugua – Former CEO Regional Centre on Groundwater Resources, Kenya • Prof. Esben Auken – CEO TEM Company and Adjunct Professor, Institute for Geoscience, Aarhus University, Denmark • Dr Samson Oiro – Head of the Groundwater Section Water Resources Authority, Kenya <p>Moderator Gladys Wekesa – Director Transboundary Water, Ministry of Water, Sanitation and Irrigation, Kenya</p>	<p>County, Kenya: Assessment of Geosite RV-BC-007, Hot Springs of Lake Bogoria SAMBURU ROOM</p> <p>Code: T6_023 <i>Grace Wambui</i></p> <p>Geoheritage Inventory for Baringo County, Kenya: Assessment of Geosite RV-BC-009: Quaternary Fluvial Carbonate Tufas at Maji Moto, Baringo</p> <p>SAMBURU ROOM Code: T6_027 <i>Pascale Lahogue</i></p> <p>Study of Four Remarkable Karsts in the DRC and the Republic of Congo: Towards a Potential Transboundary UNESCO Global Geopark in Central Africa</p>	<ul style="list-style-type: none"> • Dr Joel C. Gill – Lecturer – Cardiff University, Wales • Geol. Gladys Kianji – Senior Lecturer, University of Nairobi, Kenya • Geol. David Adede – Director – Rock Link Geological Consultants Ltd, Kenya • Geol. Eng. Charles Kithome – Vice President Geological Society of Kenya <p>Moderator Dr Xavier Musonye – Asst. Manager Geothermal Project Planning & Technical Assistant to the General Manager Geothermal – KenGen, Kenya</p>
1120Hrs – 1135Hrs	<p>TSAVO ROOM Code: T3_002 <i>Andriamananjara Fanomezana Voarintsoa Ifaliana</i></p> <p>Harnessing Geothermal Energy in Antsirabe, Madagascar: A Path Towards Sustainable Development</p>	<p>BOGORIA ROOM Code: T5_001 <i>Betty Muriithi</i></p> <p>Using Field Surveying and Modelling Tools to Assess Groundwater Resources for Sustainable Development under a Changing Climate: A Case Study from Lamu Island, Kenya</p>	<p>SAMBURU ROOM Code: T6_028 <i>Pascal Mambwe Matanda</i></p> <p>Preliminary Overview of Some Geopark Sites in the Democratic Republic Of Congo (DRC): A Potential Geo-heritage For Promoting Geotourism and Education in Africa</p>	<p>LEOPARD ROOM Code: T11_001 <i>Joel C. Gill</i></p> <p>Topic: Improving Household Preparedness in Multi-Hazard Contexts</p>
1135Hrs – 1150Hrs	<p>TSAVO ROOM Code: T3_004 <i>Emmanuel Murimi Njeru</i></p> <p>Influence of Mantle Plumes in Controlling Geothermal Fluid Flow in the East African Rift System.</p>	<p>BOGORIA ROOM Code: T5_012 <i>Oukhle Poto</i></p> <p>Assessment of Water Quality and Health Risks in Beaufort West, Province of the Western Cape, South Africa</p>	<p>SAMBURU ROOM Code: T6_022 <i>Dave Odhiambo</i></p> <p>Geoheritage Inventory for Baringo County, Kenya: Assessment of Geosite RV-BC-006, Quaternary Volcanic Edifice, And Caldera at Paka.</p>	<p>LEOPARD ROOM Code: T11_005 <i>Leta Megerssa</i></p> <p>Rapid Assessment of Landslide in Tectonically and Climatically Vulnerable Region: A Call for Integrated and Comprehensive Disaster Management Strategy</p>
1150Hrs – 1205Hrs	<p>TSAVO ROOM Code: T3_005 <i>Fusun Tut Haklidiir</i></p> <p>New Horizons in Geothermal Exploration and Development Across Africa</p>	<p>BOGORIA ROOM Code: T5_013 <i>Cyrus King'ori Mbuti</i></p> <p>Hydrogeodetic Monitoring of Groundwater Mining-Induced Subsidence Within the Nairobi Aquifer System Using INSAR</p>	<p>SAMBURU ROOM Code: T6_001 <i>Ksang Joseph Ng'iro</i></p> <p>Neogene Hominin Serial Paleontological Site at Tugen Hills, Baringo</p>	<p>LEOPARD ROOM Code: T11_009 <i>Oluyeye Folarusrho</i></p> <p>Geotechnical and Geochemical Characterisation of some Termite Reworked and Residual Lateritic Soils in the Polytechnic, Ibadan, South-Western Nigeria</p>

1205Hrs – 1220Hrs	TSAVO ROOM Code: T3_006 <i>Zumeya Omari</i>	BOGORIA ROOM Code: T5_014 <i>Victor Chihe Agbakoba</i>	SAMBURU ROOM Code: T6_013 <i>Solomon Rose Anche</i>	LEOPARD ROOM Code: T11_010 <i>Mawande Ncume</i>
	Reverse Osmosis in Geothermal Systems	Water Quality Monitoring of the Nzoia River Drainage and Lake Victoria in Kenya; East African Rift System	Geoheritage Sites of Nigeria: A call for Sustainable Development	An Integrated Geological and Geophysical Investigation of the Umgababa Landslide, KwaZulu-Natal, South Africa.
1220Hrs – 1235Hrs	TSAVO ROOM Code: T3_008 <i>Edwin Wafula Wanyonyi</i>	BOGORIA ROOM Code: T5_016 <i>Edwin Ndungu Nyachomba</i>	SAMBURU ROOM Code: T6_008 <i>Fagbenro Christiana Boluwatife</i>	LEOPARD ROOM Code: T11_033 <i>Caroline Akinyi Odhiambo</i>
	Monitoring the Growth Rate of Silica Colloids Through Immersion Experiments at the Olkaria Geothermal Field, Naivasha, Kenya	Enhancing Groundwater Quality in Marsabit County, Kenya: A Framework for Sustainable Management and Nature-Based Solutions	Geologic Characterisation and Cultural Significance of Geoheritage Sites in West Africa: A Case Study of Olumo Rock in Abeokuta, Southwestern Nigeria.	Discrimination Between Anthropogenic and Natural Earthquakes with Emphasis on Geothermal Fields and Carbon Storage Projects in the Kenya Rift Valley.
1235Hrs – 1250Hrs	TSAVO ROOM Code: T3_014 <i>Erique Otienoh Nyawir</i>	BOGORIA ROOM Code: T5_018 <i>Dan Odera</i>	SAMBURU ROOM Code: T6_014 <i>Omasanya Kamaldeen</i>	LEOPARD ROOM Code: T11_003 <i>Saviour Morkley</i>
	Sustainable Exploitation of Geothermal Energy: Case Study of the Olkaria East Geothermal Field, Olkaria, Kenya	Hogging in Basement Slabs: Case Study of X Towers, Nairobi, and Implications for Groundwater Management in the National Building Code	A Bibliometric Perspective on the Status and Future of Digital Geoheritage Research in Africa	From Detection to Preparedness: Ghana's Progress in Earthquake Monitoring and Risk Reduction
1250Hrs – 1305Hrs	TSAVO ROOM Code: T3_015 <i>Junior Njehia Kimata</i>	BOGORIA ROOM Code: T5_051 <i>Shalet Idawo</i>	SAMBURU ROOM Code: T6_029 <i>Digne Edmond Rwatangabo</i>	LEOPARD ROOM Code: T5_053 <i>Philip Lomrukai</i>
	Exploration of Geothermal Resources Using Seismic Ambient Noise Tomography	Water Czars and Groundwater Diplomacy: Skills, Scales and Sustainability	Inventory and Assessment of Rwandan Geoheritage Sites for Sustainable Geoconservation	Application of Muography in mapping water resources: A case study of Chyulu Hills
1305Hrs – 1320Hrs	TSAVO ROOM Code: T3_016 <i>Samson Hilemichaël</i>	BOGORIA ROOM Code: T5_052 <i>Samson Oiro</i>	SAMBURU ROOM Code: T6_010 <i>Nicolas Charles</i>	
	Integrated Geophysical Methods to Constrain Subsurface Structure of Tulu Moya-Bora-Bericha Axial Volcanic Complex, Main Ethiopia Rift: Implications for Geothermal	When techniques coincide in Groundwater research: A case study of Tiwi Aquifer.	Geoheritage in Africa: Capacity Building in the Geological Surveys Through the PanAfGeo Project	

1325Hrs – 1400Hrs
LUNCH BREAK

1400Hrs - 1415Hrs	<p>Theme: Mineral Resource Exploration: Tools and Techniques</p> <p>Keynote 9: Remarks by Session Moderator - Mineral Resource Exploration: Tools and Techniques</p>	<p>Theme: Geoscience Education. The Role of Geoscience Education in Promoting Development and Sustainability</p> <p>Keynote 10: Empowering the Next Generation: Transforming Geoscience Education for Sustainable Development in Africa</p> <p>Presenter: Prof. Daniel Olago - Chairman, Department of Earth and Climate Sciences, University of Nairobi, Kenya</p>	<p>UNESCO Geoheritage workshop (1400hrs -1800Hrs)</p>	<p>Theme 13: Cross-Cutting Themes</p> <p>Keynote 11: Harnessing Digital Frontiers and Inclusive Collaboration in Geoscience: The Transformative Power of GIS and Innovation</p> <p>Presenter: Anna Nguno - Deputy Director at the Geological Survey of Namibia(GSN), Geological Society of Africa, Namibia</p>
1415Hrs - 1430Hrs	<p>TSAVO ROOM Code: T7_013 <i>Abigail Enyomam Ayikwei</i></p> <p>Revealing Pervasive Intrabasin Faulting in the Volta Basin: Evidence of a Regional E-W Structural Fabric in the West African Craton</p>	<p>Panel Discussion: Empowering the Next Generation: Transforming Geoscience Education for Sustainable Development in Africa</p> <ul style="list-style-type: none"> Prof. Daniel Olago - Chairman, Department of Earth and Climate Sciences, University of Nairobi, Kenya Dr. Nyaradzo Dhlwayo - Lecturer, Nelson Mandela University, South Africa Dr. Nicholas Charles - French Geological Survey, France Prof. Eliud Mathu - Consultant & Prof. Emeritus (University of Nairobi /South Eastern Kenya University), Kenya Chrysanthus Gicheru - Principal Consultant and Managing Director of Earth Water Ltd, Kenya <p>Moderator: Geol. Eliud Wamwangi - Consultant Hydrogeologist, ENEK Geo-Consultants Ltd</p>		<p>Panel Discussion: Transformative Power of GIS and Innovation</p> <ul style="list-style-type: none"> Stanislaw Wołkowicz - Polish Geological Institute-National Research Institute, Poland Geol Bernard Ngoruse - Principal Hydrogeologist, Water Resources Authority, Kenya <p>Prof. Charles Gichaba - Senior lecturer, University of Nairobi, Kenya</p> <p>Moderator: Anna Nguno - Deputy Director at the Geological Survey of Namibia(GSN), Geological Society of Africa, Namibia</p>
1430Hrs - 1445Hrs	<p>TSAVO ROOM Code: T7_011 <i>Nzesseu Nandjou Valentino</i></p> <p>Rutile U-Pb ages and implications for the extension of the timing of the Eburnean overprint in the Ntem Complex (Southern Cameroon) portion of the Congo Craton</p>			
1445Hrs - 1500Hrs	<p>TSAVO ROOM Code: T7_016 <i>Aristide Belemsobgo</i></p> <p>Hydrothermal Alteration in Diénéméra-Gongondy Paleoproterozoic Porphyry Copper Deposit, Burkina Faso, West African Craton.</p>			
1500Hrs - 1515Hrs	<p>TSAVO ROOM Code: T9_041 <i>Rames Chauke</i></p> <p>Structural and Architectural Constraints on the Intrusion of the Eastern Lebowa Granite Suite of the Bushveld Complex, South Africa</p>	<p>BOGORIA ROOM Code: T4_003 <i>Nicolas Charles</i></p> <p>Capacity Building and Partnerships in Geoscience in Africa: The PanAfGeo Project</p>		<p>LEOPARD ROOM Code: T13_009 <i>Xiang Zhao</i> GeoPlan-LLM: Automating Geoscience Research Workflow Planning via Large Language Model Training on Literature-Mined Task Sequences</p>
1515Hrs - 1530Hrs	<p>TSAVO ROOM Code: T9_034 <i>Linol Bastien</i></p> <p>Epeirogeny and Sea-Level Changes of Southern Africa</p>	<p>BOGORIA ROOM Code: T4_008 <i>Henry Nasir Suleiman</i></p> <p>Graphical Interface Visualisation of Geology of Africa: Database Perspective.</p>		<p>LEOPARD ROOM Code: T13_010 <i>Qiuhan Wang</i></p> <p>High-Performance Paleo Geographic Reconstruction of Hybrid Vector-Raster Data Using a Client-Side Rendering Framework</p>

1530Hrs – 1545Hrs	TSAVO ROOM Code: T9_036 <i>Pavlina Hasalová</i> Melt Migration in the Crustal-Scale Shear Zones in Southern Madagascar	BOGORIA ROOM Code: T4_010 <i>Marian Selorm Saph</i> Geoscience Education in Africa: Leveraging Geological Museums and Innovative Approaches		LEOPARD ROOM Code: T13_011 <i>Qing Lan</i> A Serverless, Multi-Level Parallel Architecture for Scalable Remote Sensing Data Processing
1545Hrs – 1600Hrs		BOGORIA ROOM Code: T4_013 <i>Dhliwayo Nyaradzo</i> African Hydrology Through Citizen Science in South Africa, Ghana, and Kenya		Code: T13_012 <i>Xinhua Fan</i> DCM-TF: A Unified Triplet Framework for Data, Knowledge, And Model Integration in Geoscience
1600Hrs – 1615Hrs		BOGORIA ROOM Code: T4_051 <i>Beneah D. Odhiambo</i> A Peek into the Past and a Peep into The Future: The Role of the International Geoscience Education Organisation		LEOPARD ROOM Code: T13_013 <i>Stanislaw Wolkowicz</i> Work on the Preparation of the Monograph on Geosciences in Africa is Time to Start

1630Hrs – 1700Hrs
POSTER PRESENTATIONS, TEA AND NETWORKING

CONFERENCE DINNER

Chief Guest: Eng. Peter Njenga – Managing Director and Chief Executive Officer, Kenya Electricity Generating Company (KenGen PLC)

ID	THEME	TITLE AND PRESENTER
T3- 017	Theme 3	Topic: Geothermal Potentialities of Northern Algeria: Mapping of Geothermal Gradient Presenter: Bouchareb-Haouchine Fatima Zohra
T3- 018	Theme 3	Topic: Thermal Spricharakterisationslgeria: hydro-geochemical characterizations Presenter: Haouchine Abdelhamid
T4- 001	Theme 4	Topic: Development Minerals and Their Opportunities as an Alternative Livelihood for Women Artisanal Small-Scale Gold Mining Presenter: Rosemary Okla
T4- 004	Theme 4	Topic: The Role of Geoscience Education in Sustainable Development Presenter: Miranda Afa
T4 - 007	Theme 4	Topic: Geoscientific Determination of Contamination Potential around Mpape Dumpsite, Abuja, Central-Nigeria. Presenter: Babatunde Oluosunkanmi Okediji
T5 - 009	Theme 5	Topic: Hydro Geochemical Assessment of Coastal Water Resources in Parts of Southwestern, Niger Presenter: Fagade Oluwadamilola Gloria
T6- 003	Theme 6	Topic: Geology and History of Potential Geoparks within the Kwahu-Bombouaka Group of the Voltaian Sedimentary Basin, Bono-East Region, Ghana. Presenter: Susanna S. Boateng
T6- 004	Theme 6	Topic: Exploring the Role of Indigenous Knowledge in the Conservation of African Geodiversity Presenter: Omosanya Kamaldeen
T6-005	Theme 6	Topic: Mapping Aggressive Mambila Highlands, Nigeria, For Utilisation as Geo-sites and Heritages for Economic Development Presenter: Ibrahim Kankara Aliyu
T6- 007	Theme 6	Topic: Geotourism and the Potential of Aerial Cable Cars in Kenya Presenter: Scolastica Njambi
T6- 009	Theme 6	Topic: The Canary Islands volcanoes (Spain): Assessment of geo-heritage, new technologies, and geo-tourism Presenter: Juana Vegas
T6 - 026	Theme 6	Topic: Geoheritage and Geotourism Resources of The Katanga Copperbelt: A Way of An International Perspective Related to Education in Africa Presenter: Pascal Mambwe Matanda
T6- 015	Theme 6	Topic: Beyond the Surface: Unleashing the rich Geoheritage of Africa through emerging technologies Presenter: Omosanya Kamaldeen
T6-017	Theme 6	Topic: Utilising The Rocky Inselberg as Geosites and Heritages for Economic Development in Dutsin-Ma Hilly Area, Northwestern Nigeria Presenter: Ibrahim Kankara Aliyu Kankara, Ibrahim
T6- 019	Theme 6	Topic: Proposed Nomination of the Miocene Paleontological Site of Napak as a Global UNESCO Geopark Presenter: Sarah Musalizi
T6- 020	Theme 6	Topic: Enhancing Geoheritage and Sustainable Tourism Through Geosite Development in Northeastern Nigeria Presenter: Isah Yahuza
T6 024	Theme 6	Topic: Geo-Heritage Conservation of Kainaini Swamp and The Assessment Behind the Shaking Phenomenon Presenter: Elizabeth Akinyi Aloo

T6- 025	Theme 6	Topic: Moving "Africa Alive Corridors" Forward Presenter: Linol Bastien
T6- 030	Theme 6	Topic: Evaluation of Geosites in Homabay County, Kenya as Areas of Potential Geopark Development Presenter: Evance Ouma
T6- 050	Theme 6	Topic: Unlocking Geoheritage Potential: Integrating the role of Geoeeducation towards Sustainable Conservation of the UNESCO Global Geoparks in Tanzania Presenter: Kalunge Halima Salum
T6 - 051	Theme 6	Topic: Source Rock Evaluation and 1D Basin Modelling in The Ruvuma Basin, Southeast Tanzania. Presenter: Antipass Josephat Tarimo
T11- 012	Theme 11	Topic: Modelling Hydrological Response to Urbanisation: Case Study Syokimau - Katani Area Presenter: Karen Nguna Masila
T13- 004	Theme 13	Topic: Two Decades of Land Use and Land Cover Dynamics: Assessing the Ecological Status of the Sakumono Ramsar Site, Ghana Presenter: Julia Quaicoe and Marian Selorm Sapah
T13- 007	Theme 13	Topic: PanAfGeo+ – Country Window Uganda: Cooperation on Geological Exploration of Critical Raw Materials Presenter: Slavko Martinek
T13- 020	Theme 13	Topic: Cross-Disciplinary Approaches in Development of Resilient Infrastructure in Erosion-Prone Areas: The Mwache Multipurpose Dam Case Study, Kenya Presenter: Margaret Njoroge



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

DAY 4: FRIDAY, 26TH SEP 2025



TIME	ACTIVITY	
0800Hrs – 0830Hrs	Arrival and Registration	(Post Conference workshops and field trips registration and confirmation available all day at the registration desk)
0830Hrs – 0930Hrs	Panel Theme: Financing Geoscience Projects	Discussion Topic: Innovative Financing Models for Sustainable Geoscience Projects <ul style="list-style-type: none">• Prof Olugbenga Okunola – Professor and President GSAF, Nigeria• Joshua Laichena – Senior Policy Analyst, Kenya Institute for Public Policy Research and Analysis, Kenya• Dr. Marietta Mutonga – Senior Geologist, Geothermal Development Company, Kenya• Dr. Stephen Onacha – Director, Resource Development, Akira Geothermal Development• Darrell Boyd – Director and Chief Executive, International Line Resources Ltd (UK/Africa) Moderator: Monica Gichuhi – Governance Consultant
0930Hrs – 1030Hrs	Panel Theme: Youth and Gender in the Geoscience Profession	Discussion Topic: Pathways to Inclusion – Youth and Gender in the Geoscience Profession <ul style="list-style-type: none">• Michelle Mwambela – Chief Executive Officer, Association for Women in Energy and Extractives, Kenya• Nicolas Charles – French Geological Survey (BRGM), France• Hannah Wangombe – Natural Resources Program Lead, Oxfam, Kenya• Ibrahim Shaddad – Director General, Africa Minerals and Geoscience Centre (AMGC), Tanzania• Esther Nyanchaka – Student, Kenya Water Institute (KEWI) – pursuing Water Engineering• Hillary Kigen – Geologist, State Department of Mining• Margaret Njoroge – Geologist, Ministry of Water, Sanitation and Irrigation Moderator: Geol. Bernard Ngoruse – Principal Hydrogeologist
1030Hrs – 1100Hrs HEALTH BREAK		
1100Hrs – 1120Hrs	Sponsor Spotlight	Presentation by Key Sponsor
1120Hrs – 1210Hrs	Panel Theme: Environmental Health and Safety	Discussion Topic: Environmental Health and Safety – Geological Insights for a Resilient Africa <ul style="list-style-type: none">• John Ogallo – Director, Environmental and Engineering Geology, State Department for Mining• Geol. Dan Odera – Consultant, Georama Engineering Services Ltd, Kenya• Dr. Joel C. Gill – Lecturer, Cardiff University, Wales• Dr. Gladys Kianji – Senior Lecturer, University of Nairobi, Kenya• Dr. Meshack Amimo – Principal Hydrogeologist, Water Resources Authority, Kenya Moderator: Dr. Patrick Kariuki – Director, Geothermal Energy Training and Research Institute, Dedan Kimathi University of Technology, Kenya
1210Hrs – 1300Hrs	Panel Theme: Enhancing Professional Collaborations among Geologists	Discussion Topic: Enhancing Professional Collaborations among Geologists <ul style="list-style-type: none">• Geol. Ng'ang'a Kuria – President, Geological Society of Kenya• Prof. Olugbenga Okunola – Professor, University of Ibadan and President – Geological Society of Africa, Nigeria• Dr. Ludwig Stroink – Secretary General, International Union of Geological Sciences (IUGS), Germany• Prof. Pier Lorenzo Fantozzi – Associate Professor, University of Siena, Italy Moderator: Dr. Peter Omenda – President, Africa Geothermal Association, Kenya
1300Hrs – 1400Hrs		
LUNCH BREAK		
1430Hrs – 1700Hrs	THE CAG30 NAIROBI DECLARATION	
TEA AND NETWORKING		

THE 30TH COLLOQUIUM OF AFRICAN GEOLOGY (CAG 30) 2025

POST-CONFERENCE WORKSHOPS AND SHORT COURSES

 27TH SEP TO 2ND OCT 2025

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

DATE & TIME	ROOM A	ROOM B	ROOM C	ROOM D
27 TH SEP 2025 0800Hrs-1300Hrs	W01 - Advanced Geochemical Analysis in ioGAS for Mineral Exploration and Geological Surveys (By Deng Ngang Deng - Target Mining Resources)	W17 - The Gemstone Odyssey Unveiling Kenya's Treasures Through Science, Art, and Trade (By Rosemary Muchangi, Solomon Gona, Flora Wawuda - GEMFUND)	W21 - African Ore Genesis Research Networks Building a Pan-African Collaboration (By Christine Omuombo - IAGOD - IUGS)	W04 - Improving agency for African geoscientists through the DDE Platform and GeoGPT (By Michael Stephenson - Deep-Time Digital Earth)
27 TH SEP 2025 1400Hrs-1800Hrs	W05 - Future Skills in the Evolving Professional Market (By Peter Young, Deng Ngang Deng - Target Mining Resources)		W18 - Scientific Drilling Perspectives on Developing and Implementing Deep Drilling Projects to Advance Scientific Frontiers (By Anders Noren, Kat Cantner - Continental Scientific Drilling Facility, University of Minnesota, US)	



FIELD TRIP CODE	SITE	TOWNS	PERIOD	COST@PAX	LEAD GEOLOGIST	DATE
GE011	Nairobi National Park and the National Museums of Kenya	Nairobi	1 Day	USD 80	Geol. Rahab Kinyanjui	27 th September 2025
GE03	The Great Rift Valley Lakes of Kenya: Tectonics, Modern and Paleo-Hydrogeology	Nairobi-Naivasha-Elementaita-Nairobi	1 Day	USD 150	Lydia Olaka & Christine Omuombo	28 th September 2025
GE07	Geoheritage Exploration of the Baringo Great Rift Valley Aspiring Geopark	Nairobi-Nakuru-Kabarnet-Nairobi	5 Days	USD 600	Geol. Teopister Sind	28 th September – 2 nd October 2025
GE08	The Tsavorite Province of the Mozambique Belt, Recent Chyulu Hills Lava Flows, and the Coastal Quaternary–Recent Sediment	Nairobi-Voi-Wundanyi-Mombasa –Kwale-Nairobi	3 Days	USD 600	Geol. Mathu & Geol. Aaron Waswa	28 th –30 th September 2025
GE10	Kenya's Geothermal Chronicles: Focusing on Exploration, Development, and Utilisation	Nairobi-Naivasha-Nakuru-Loruk-Nairobi Options: Option 1. Day 1: Nairobi-Naivasha-Nairobi-cost \$150 Option 2 Day 2: Naivasha-Nakuru – Nairobi- cost \$450 Option 3 Day 3: Nakuru – Loruk -Nairobi - cost \$600	3 Days	USD 600	Geol. Anna Mwangi Geol. Stephen Onacha	28 th –30 th September 2025



HOTEL MAP



KEY (LOCATION)

-  BIRD WATCHING
-  FIRE ASSEMBLY POINT

- ① MAIN RECEPTION/LOBBY CAFE/LOBBY SHOP
- ② SAFARI MEETING PLAZA/EXECUTIVE LAUNDRY
- ③ KING SOLOMON'S MINE SLOT MACHINES
- ④ LA PIAZZETTA

- ⑤ PALM GARDEN
- ⑥ CATS CLUB / PIANO BAR
- ⑦ PAVILION BALLROOM
- ⑧ WINNERS PAVILION

- ⑨ CHIYO RESTAURANT
- ⑩ TENNIS COURTS
- ⑪ SQUASH COURT
- ⑫ SAFARI FITNESS CENTRE

- ⑬ BOGORIA
- ⑭ MARA/BOARDROOM
- ⑮ JAMBO CONFERENCE CENTER
- ⑯ HEMINGWAYS LOUNGE & BAR

- ⑰ MOUNT ELGON
- ⑱ MOUNT KENYA (A,B,C,D)
- ⑲ BARINGO ROOM
- ⑳ KUMBAYA HALL

- ㉑ PARADISE A
- ㉒ PARADISE B
- ㉓ APARTMENTS
- ㉔ JOGGING TRACK