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## KENYA GEOTHERMAL CONGRESS 2024

### Congress Program

#### A. Introduction

1. Pre-conference Training: 15th July, 2024.
2. Conference Days: 16th – 18th, July, 2024.
3. Field Trips: 19th – 21st, July, 2024.
  - a) Olkaria Geothermal Field & Oserian Development Company.
  - b) Olkaria Geothermal Field, Oserian Development Company & Menengai Geothermal Field.
  - c) Olkaria Geothermal Field, Oserian Development Company, Menengai Geothermal Field & Baringo-Silali Geothermal Project.
4. Theme: Incentivizing Investment in Geothermal Energy for Kenya's Accelerated Industrial Development.
5. Location: Safari Park Hotel, Nairobi.

#### B. Pillars of the Congress

1. Policy Frameworks and Regulation
2. Financing and Investment Opportunities
3. Technological Innovation and Advancement
4. Capacity Building and Knowledge Transfer

#### Day One: Monday, 15.07.2024 – PRE-CONFERENCE TRAINING

TIME	ACTIVITIES & SPEAKERS	MODERATOR	
07:00 – 08:30	<ul style="list-style-type: none"> <li>● Arrival and Registration (At Main Reception)</li> <li>● Breakfast</li> </ul>	Ms. Cynthia Rutto Ag. CEO, Geothermal Association of Kenya	
	<b>Stream 1</b>	<b>Stream 2</b>	
08:30 – 09:00	Opening Remarks Welcoming Address Opening Prayer Remarks –Trainers (GIZ & Cella)	Welcoming Address – Chairperson, KGC Technical Subcommittee – Prof. Nicholas Mariita	<b>Stream 3</b> Opening Remarks Welcoming Address Opening Prayer Remarks –Trainers (GreatWall & Sage Geosystems)
09:00 – 10:30	Training Company: <b>Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) &amp; Cella</b> Topic: <b>Development of Green Hydrogen and Carbon Carbon Capture</b>	<b>GRMF Stakeholders Meetings</b> Geothermal Risk Mitigation Facility (GRMF) meetings with various energy stakeholders.	Training Company – <b>Great Wall &amp; Sage Geosystems</b> Topic: <b>Advanced geothermal Systems</b> <b>Moderator</b> – Dr. Anthony Wamalwa/ Dr. Anna Mwangi

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	<b>Moderator:</b> Dr. Stephen Onacha/Ms. Sharon Obonyo	<b>Moderator:</b> Prof. Nicholas Mariita	
10:30 – 11:00	<b>Health Break</b>		
11:00 – 13:00	Introduction to Green Hydrogen	GRMF Stakeholders Meetings	Training Topic Developed by Great Wall & Sage Geosystems
13:00 – 14:00	<b>Lunch Break</b>		
14:00 – 16:30	Global and National Policy Landscape	GRMF Stakeholders Meetings	Training Topic Developed by Great Wall & Sage Geosystems
16:30 – 17:00	Award of Training Certificate Mr. Peketsa Mangi – Chairman, Geothermal Association of Kenya		Award of Training Certificate Mr. Stephen Busienei – Vice Chairman, Geothermal Association of Kenya
17:00 – 17:30	<b>Communication:</b> Update for Following Day, <b>End of Day 1</b>		Moderators of Respective Sessions

**Day Two: Tuesday, 16.07.2024 CONFERENCE**

TIME	ACTIVITIES & SPEAKERS	MODERATOR
07:00 – 09:00	<ul style="list-style-type: none"> <li>Arrival and Registration</li> <li>Breakfast</li> <li>Entertainment</li> </ul>	Ms. Cynthia Rutto Ag. CEO, Geothermal Association of Kenya
09:00 – 10:30	<p>Main Hall – Opening Ceremony – Welcome Address</p> <ul style="list-style-type: none"> <li>Security, Safety, and Housekeeping Briefs –Mr. Paul Kiptanui, Safari Park Hotel</li> <li>Kenya National Anthem &amp; East African Community Anthem (Band)</li> <li>Opening Prayer – (Christian Prayer - Ms. Anne Sunkuyia and Muslim Prayer – Mr. Abdi Haji)</li> </ul> <p><b>Welcome Address</b> – Dr. Gathuru Mburu - Chairperson, Kenya Geothermal Congress, 2024  <b>High Level Remarks</b> - Mr. Peketsa Mangi - Chairman, Geothermal Association of Kenya  <b>High Level Remarks</b> – Mr. Patrick Hanson – Board Member, International Geothermal Association  <b>High Level Remarks</b> - Dr. Juma Mukhwana – Principal Secretary, State Department for Industry  <b>Key Note Address and Official Opening</b> – Mr. Alex Kamau Wachira - Principal Secretary, State Department for Energy</p>	Master of Ceremony- Mr. Frank Ochieng - Marketing & Corporate Communication Manager, Kenya Electricity Generating Company PLC
10:30 – 11:30	<b>High Level Tour of the Exhibition Booths, Photos &amp; Tea Break</b>	
11:30 – 12:00	<p><b>Setting the Scene:</b></p> <ul style="list-style-type: none"> <li>Mr. Chrispin Lupe – Chief Geologist, State Department for Energy</li> </ul>	Mr. Erick Wamanji – Deputy Manager for Corporate Communications and Marketing, Geothermal Development Company
12:00 – 13:30	<p><b>Panel Discussion: Market Trends and Opportunities in the Geothermal Industry</b></p> <p><b>Moderator:</b></p> <ul style="list-style-type: none"> <li>Mr. Daniel Kiptoo Bargoria - Director General, Energy &amp; Petroleum Regulatory Authority</li> <li>Eng. Peter Njenga - Chief Executive Officer, Kenya Electricity Generating Company PLC</li> <li>Dr. (Eng) John Mativo - Managing Director, Kenya Electricity Transmission Company Limited</li> <li>Eng. Mattew Mwangomba – Managing Director, Tanzania Geothermal Development Company</li> </ul>	Mr. Murefu Barasa – Chairperson of the Kenya Renewable Energy Association

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	<ul style="list-style-type: none"> <li>Mr. Edouard Wenseleers – Managing Director, Business Development, Head of East Africa, Globeleq</li> <li>Dr. Gregory Gamula – Director of Planning and Development, Electricity Generating Company, Malawi</li> </ul>	
<b>13:30 – 14:30</b>	<b>Lunch Break</b>	
14:30 – 15:00	<b>Presentation by Geothermal Risk Mitigation Facility (GRMF): Launch of New Application Round &amp; Invitation to Business to Business Meetings</b> By Mr. Joseph Mwangi - Project Manager, Geothermal Risk Mitigation Facility	
15:00 – 16:30	<b>Financing Geothermal Projects: Challenges and Opportunities – Financing and Investment Opportunities</b> <b>Moderator:</b> <ul style="list-style-type: none"> <li>Mr Jeff Murage - Senior Program Coordinator (Energy /Infrastructure/Finance Sector), KFW / German Development Bank</li> <li>Mr. Paul Ngugi - Managing Director &amp; Chief Executive Officer, Geothermal Development Company</li> <li>Mr.Mark M. Mathenge - Representative, Cooperative Bank of Kenya</li> <li>Mr. Kai Imolauer,- Technical Consultant Project Manager - Rödl &amp; Partner, Geothermal Risk Mitigation Facility</li> <li>Mr. Alemayehu Wubeshet ZEGEYE - Division Manager, Power Systems Operations, East Region, Africa Development Bank Group (AFDB)</li> <li>Mr. Eiji Wakamatsu - Senior Deputy Director, Team 2, Energy Mining Group, Infrastructure Management Department, Japan International Cooperation Agency (JICA) Headquarters</li> <li>Dr. Stephen Onacha – Representing CEO, Centum Investments Company Plc</li> </ul>	Mr. George Aluru - CEO Electricity Sector Association of Kenya
16:30 – 17:00	<b>Summary:</b> End of Day 2 - Dr. Gathuru Mburu – Chairperson, Kenya Geothermal Congress 2024	
17:30 – 19:30	<ul style="list-style-type: none"> <li>Congress Opening Cocktail, <b>Chief Guest</b> – Eng. Peter Njenga - Chief Executive Officer, Kenya Electricity Generating Company PLC</li> </ul> <b>Draft Program:</b> 17:30 - Guests arrival & Welcoming Remarks – Mr. Peketsa Mangi - Chairman, Geothermal Association of Kenya 18:10 - Key Remarks by the Chief Guest – Mr. Alex Kamau Wachira - Principal Secretary, State Department for Energy. 18:30 - Networking 19:30 - Close (Delegates can leave at own pleasure)	Master of Ceremony- Mr. Frank Ochieng - Marketing & Corporate Communication Manager, Kenya Electricity Generating Company PLC

**Day Three: Wednesday, 17.07.2024 CONFERENCE**

<b>TIME</b>	<b>ACTIVITY &amp; SPEAKER (MC – Dr. Anna Mwangi)</b>	<b>MODERATOR</b>
07:00 -08:15	<ul style="list-style-type: none"> <li>Arrival and Registration</li> <li>Breakfast</li> </ul>	
08:15 – 08:35	<b>Presentation by Sponsor:</b> General Manager, Kaishan Group (Mr. Qi Jingwen, General Manager, Kaishan Energy Development Company (Kenya) Ltd	
08:35 – 09:35	<b>Panel Discussion: Advancements in Geothermal Technology – To Reduce the Levelized Cost of Geothermal Power</b> <b>Panelist:</b> <ul style="list-style-type: none"> <li>Mr. Raphael Swerdlow – Business Development Manager, Ormat International Europe</li> <li>Eng. Cornel Ofwona - General Manager, Geothermal Resource Development, Geothermal Development Company</li> <li>Eng. Julius Odumbe - General Manager, Operations, KenGen</li> <li>Mr Ernest Mabwa – General Manager Kaishan Menengai.</li> <li>Mr. Benjamin Pontier - Regional Manager, SubSaharan Africa - Downhole Technologies, National Oilwell Varco</li> <li>Mr. Toks Azeez - Sales and Commercial Director, Sub-Sahara Africa, Baker Hughes</li> </ul>	<b>Moderator:</b> Ms. Elizabeth Njenga, General Manager, Business Development & Strategy, Kenya Electricity Generating Company PLC
09:35 – 09:50	<b>Presentation by Sponsor:</b> Ms. Norah Ariga- Integrated Commercial Project Manager, Baker Hughes	
09:50 – 10:50	<b>Panel Discussion – Geothermal’s Role in the Acceleration of Industrial Development</b> <b>Panelists:</b> <ul style="list-style-type: none"> <li>Mr. Rajiv Garg - Head Kenya Country Programme Regional Office for Africa</li> </ul>	<b>Moderator:</b> Eng. Martha Mburu – Ag. General

	<ul style="list-style-type: none"> <li>Ms. Catherine Irura – KEPSA – Chairperson – (Green Hydrogen Sub sector)</li> <li>Mr. Mugwe Manga - Managing Director, Olsuswa Energy Limited</li> <li>Mr. Matteo Quaia – Chief Executive Officer, Steam SRL</li> <li>Dr. George Muia - Head of Energy Investments, Karsan Ramji &amp; Sons Ltd</li> <li>Mr. Sylvester Makaka - Senior Energy Advisor, Kenya Association of Manufacturers</li> </ul>	Manager, Strategy Research & Innovation, Geothermal Development Company	
10:50 – 11:15	<b>Health Break</b>		
<b>BREAKOUT SESSIONS</b>			
	<b>TSAVO ROOM: Geothermal Drilling Development</b> <b>Moderators:</b> Prof. Nicholas Mariita (DeKUT) & Dr. Antony Wamalwa (GDC)	<b>SAMBURU ROOM: Sustainable Energy Development</b> <b>Moderators:</b> Mr. Gabriel Wetangula (GDC) & Peter Ndirangu (KenGen)	<b>CUB ROOM: Resource Exploration &amp; Exploitation</b> <b>Moderators:</b> Mr. Kizoto Opondo & / Mr. Dansette Kenani
11:15 – 11:30	Enhancing Geothermal Drilling Efficiency: Use of Motor Driven Air Compressors - <i>Dennis Ntabo and Johnstone Maleche, GDC, Kenya</i>	Added Value of Information in Geothermal Energy Resource Development - A Conceptual Approach - <i>Bosire Paul, GDC, Kenya</i>	Geothermal Reservoir Monitoring Methodologies: Overview and Importance – <i>Levi Shako, GDC, Kenya</i>
11:30 – 11:45	Embracing Circularity in Management of Cooling Tower Fill Packs. A Case Study of Partnership Between KenGen and Jua Kali Entrepreneurs - <i>Rose Mathenge, KenGen, Kenya.</i>	Promoting Mental Health and Well-being in the Geothermal Sector - <i>Osango Vincent, GDC, Kenya</i>	Geothermal mineral deposits in the Kenyan geothermal system; implications for economic viability - <i>Christine Kiptoo, Isaac Kanda &amp; Patrick Kirita Gevera - Geothermal Energy Training Institute (GeTRI), DeKUT, Kenya</i>
11:45 - 12:00	The Use of Machine Learning in Geothermal Reservoir Rock Typing Indonesia Case Study - <i>Ikhwan Muhammad, Sastranegara R. M. Tofan, Anggraini Jayanti Indonesia</i>	Recharge Potentials For Kenya Geothermal Prospects - <i>Yussuf Noor, GDC, Kenya</i>	High-Temperature Alteration Minerals Using ATR Spectroscopy In Geothermal Drill Cuttings Case Study Of Olkarai Geothermal Complex - <i>James Nyandigisi, KenGen, Kenya</i>
12:00 – 12:15	Directional Drilling of Geothermal wells to maximize productivity from a single well pad: Case study of wells PW-03, PW03A, PW-03B and PW-03C Paka Geothermal Field Kenya - <i>Eng. Martin Rotich, GDC, Kenya</i>	How Government Intervention in Securing Land in Geothermal Rich Areas Can Act as a Catalyst to Accelerating Exploitation of Geothermal Resources in Kenya, <i>Clety Bore, Elizabeth Mwangi-Gachau, KenGen, Kenya</i>	Aquaponic-poultry Harmony: Integrating Aquaponics and Poultry Farming for Sustainable Food Security - <i>Wambui Samuel Mbugua Mbuthia Sharon Muthoni, Kenya</i>
12:15 – 12:30	Using supersonic ejectors to induce flow from low-pressure geothermal production wells - <i>Daniel Wanga Odongo, Ximena Guardia Muguruza, Gunnar Dagur Jónsson, Guðrún Sævarsdóttir, Yonatan Afework Tesfahunegn, Ragnar Lárusson, María Sigríður Guðjónsdóttir-, KenGen, Kenya</i>	Mitigating Risks Related to Community Land Acquisition and Compensation A case of Paka Geothermal Project – <i>Sharon Chebet, GDC, Kenya</i>	Role Of Geo-Sciences In Accelerated Geothermal Resource Development – <i>John Lagat, GDC, Kenya</i>
12:30 – 12:45	Soil CO <sub>2</sub> emission and stable isotopes ( $\delta^{13}C$ , $\delta^{18}O$ ) of CO <sub>2</sub> and calcites reveal the fluid origin and thermal energy in the supercritical geothermal system of Krafla, Iceland - <i>Bini Giulio et al, Italy</i>	Geothermal-Powered Desalination for Sustainable Water Solutions - <i>Atieno Ashley Wendy, Kenya</i>	Catalyzing Geothermal Energy Development in East Africa: The Role of the GeoFutures Facility in Bridging Investment Gaps and Mitigating Risks - <i>Kenbright, Parhelion Underwriting, Kenya</i>
12:45 – 13:00	New highly thermally stable corrosion inhibitor for geothermal applications -	GEOTTO - An Internet Of Things Powered Hatchery Using Geothermal Energy – <i>John Mwiti, Dominic Kata</i>	The Role of Calibration and Metrology in Geothermal Energy Development: <i>A Focus on KEBS Industrial</i>

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	<i>Parravicini Davide, Guidetti Alessandro, Zambolin Daniele, Italmatch, Italy</i>		<i>Calibration for GDC and KENGEN Eng. Levi Kulundu Kenya Bureau of Standards (KEBS), Kenya</i>
13:00 - 13:15	Design And Implementation Of Olkaria V Steam Path Audit Stanchions – <i>Eng. C. Kutswa, Eng. G. Maingi, S. Gichonge) KenGen PLC</i>	Infrastructural And Environmental Challenges Affecting Geothermal Development In Kenya; Case Study Of Kenya Electricity Generating Company Plc, Olkaria Geothermal Field - <i>Eng. Nicholas Omenya KenGen, Kenya</i>	Accelerating geothermal development in Kenya with GreenFire’s GreenLoop™ technology – <i>Brown, Steven, Golla, Glenn, GreenFire Energy USA – presented by Sam Sainju</i>
13:15 – 14:00	Lunch Break		
<b>BREAKOUT SESSIONS</b>			
		<b>SAMBURU ROOM: Geo-Tourism &amp; Sustainability</b>	
14:00 – 14:15	Geothermal Exploration of the Kenya Rift Floor Outside the Central Volcanoes: Case study of the Otutu Rift, Kenya Central rift - <i>Nyawir Eriqie Otienoh, Omenda Peter Ayodo and Varet Jacques, KenGen Kenya</i>	Emerging Carbon Market Regulations and Impact on Geothermal Power Stakeholders - <i>Oraro Cindy and Otieno Madikizela, Oraro and Company Advocates, Kenya</i>	Active Volcanoes in the East African Rift. What can Volcanologists do for the Geothermal Sector? - <i>Fontijn Karen et al Belgium</i>
14:15 – 14:30	Power Generation Using Deep Well Pump and ORC Plant in Korosi Geothermal Field, Kenya – <i>Dennis Chirchir, GDC, Kenya</i>	Emerging Carbon Market Regulations and Impact on Geothermal Power Stakeholders - <i>Oraro Cindy and Otieno Madikizela, Oraro and Company Advocates, Kenya</i>	Diffuse soil CO <sub>2</sub> emissions at rift volcanoes: Structural controls and total budget of the Olkaria Volcanic Complex (Kenya) case study - <i>Cappelli Lorenzo et al., Belgium</i>
14:30 – 14:45	Leveraging Dry Geothermal Resources for Carbon Sequestration in Kenya - <i>Musa Nefisa Khadija, Kenya</i>	Assessing Manual Handling Hazards for Workspac Safety in Geothermal Drilling - <i>Gitu Patrick Kanjuki; Murage Margaret Wanjiku, Kenya</i>	Development of a novel HT calcite scale inhibitor for Geothermal applications - <i>Parravicini Davide, Guidetti Alessandro, Zambolin Daniele, Italmatch, Italy</i>
14: 45 - 15:00	Geoscientific basalt mapping for storage of CO <sub>2</sub> in Paka Geothermal Field, - <i>David Basweti. John Kiama, Lucy Njue, GDC, Kenya</i>	ESG Factors in Geothermal Development: A Review of Materiality Assessment Methods - <i>Gitu Patrick Kanjuki; Murage Margaret Wanjiku, Kenya</i>	Significance Of Pressure Let Down Station In Mitigating Effects Of Silica Precipitation In Steam Pipelines - <i>Joseph M. Chumari &amp; Esther N. Kimani KenGen PLC, Kenya</i>
15:00 – 15:15	Ph Management of Cold Re-Injection well by Mixing Brine with Condensate - <i>Kitimo Nyambu, Calyst and Opiyo, Odhiambo Martin, KenGen, Kenya</i>	Prospects and challenges for green hydrogen production and employment in Kenya - <i>Githere Njenga, Grace Muli, Titus Mulembo, Charles Kagiri. Dedan Kimathi University of Technology (DeKUT) Aceleron Energy.</i>	Enhancing Geothermal Exploration: The Impact of 3D Modelling and Cloud-Based Collaboration – <i>Oliver WARD, Seequent, United Kingdom</i>
15:15 – 15:30	Infrared Spectroscopy for Real-Time Detection of Swelling Clays in Geothermal Drill Cuttings. A Case of Olkaria, Kenya- <i>Bosire Vincent, KenGen, Kenya</i>	The Role of Framework Contracts and Agreements in Enhancing Geothermal Drilling Operations in Kenya. A Case of Baringo – Silali Geothermal Project - <i>Evans Nyamweya, Victor Nyongesa and Julias Gitangwa - Geothermal Development Company, Kenya</i>	Gravity Surveys Contributions to Geothermal Exploration in L. Magadi Field: The Cases Berlin, The South of Mt Longnot Volcano, and The Ahuachapan Areas.- <i>Mulwa Sylvester Kioko, Kabete National Polytechnic, Kenya</i>
15:30 – 15:45	Spatiotemporal dynamics of geothermal parameters on the Cameroon volcanic line: characterization and evolutionary trends. - <i>Elie Fute Tagne and Patrick-Aime Kankeu University of Buea, University of Dschang, Iristech Africa</i>	Mineral Deposits and Extraction from Geothermal Brine in Kenya - <i>Kanyua Hezron Kamau, Kenya</i>	Exploration Methods - <i>Zumeya Omari Geothermal Training and Research Institute, DeKUT. Kenya</i>

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15:45 – 16:00	Micro Geothermal Power Plant to Power agriculture Value addition for Eburru Community GDU - <i>John Mwit Nkanata, GDC, Kenya</i>	Greening The Energy Grid: What Are The Implications For Future Geothermal Production? - <i>John Hawuory, Drivestone Technologies, Kenya</i>	History of Geothermal Energy Development in Kenya_ A case study of Olkaria geothermal field - <i>Otieno Stephen Ouma &amp; Ong'ango Bernard Omondi, Kenya</i>
16:00 – 16:15	A Conceptual Model for the Menengai West Geothermal System: Extending Insights from Menengai Caldera – <i>Isaac Kanda, Geothermal Development Company, Kenya.</i>	New Chemical Well Recovery Technique - <i>Dr Logan Muller, Solenis, Turkey</i>	Utilizing Olkaria V Geothermal Wells Brine for Space Cooling in an Absorption Refrigeration System - <i>Letina Moses Ikote, Egill Juliusson, KenGen Kenya</i>
16:15 – 16:30	Sustainable approach to emission reduction in Geothermal Production Fields - <i>Mrimberia, Kenneth Kinyua, Geumken Solutions (k) Limited. Kenya</i>	Project Management in Geothermal Energy Development – <i>Kevin Kiprop, Moi University, Kenya</i>	A web portal for accessing the fluid geochemical data of all Italian geothermal manifestation: the EMOTION-Project - <i>Tamburello G. et al., Italy</i>
16:30 – 16:45	Charting New Frontiers in Knowledge Production in Incentivizing Just Energy Transitions: Geothermal Energy development in Kenya, <i>Charity Mbaka, Doctoral Researcher, University of Leicester, United Kingdom</i>	SCADA Based Remote Water Monitoring and Valve Control - <i>David Wachira Githinji, Geothermal Development Company, Kenya</i>	Numerical Model Investigating Experimental Test using Geothermal Energy to Enhance Waste Oil in Recycling Glass - <i>Anyona M Kennedy, Kenya</i>
16:45 – 17:00	Improved Cementing Designs through Additives Application for Geothermal Well Cementing: A Case Study of Olkaria West Geothermal Field- <i>Ajani M. Otieno T. Nyagah L. Amombo A. Selesi H. Simiyu L. &amp; Mofunlewi, Bentworth Kenya</i>	An Assessment of Potential Direct-Use Geothermal Projects in Africa Ripe for Micro-Financing - <i>Jackson M. Grimes, Project InnerSpace, USA</i>	Borehole geology and hydrothermal alteration mineralogy of Paka geothermal field – <i>Peter Mbia, GDC, Kenya</i>
17:15 – 17:30	Africa and Energy: Centrality of Domestic Money Pools - <i>Dr Fred Amonya, Honorary Senior Fellow (Complex Systems and Public Investment), University of Birmingham</i>		The impact of formation damage on geothermal reservoirs: implications for fluid flow and case studies - <i>Mbega Ramadhani Ngata and Mathew Mwangomba Tanzania Geothermal Development Company Ltd (TGDC)</i>
17:30 – 18:00	<b>Summary &amp; Communication of Day 3 by Session Moderator</b>		
18:00 – 19:30	Women in Energy cocktail reception Program: 17:15 - Guests arrival 18:00 - Welcome Remarks –Mr. Peketsa Mangi - Chairman, Geothermal Association of Kenya 18:10 - Industry Remarks by Energy Sector Associations & Special Guests 18:30 - Key Remarks by the Chief Guest 18:45 - Networking 19:00 – Close (Delegates can leave at own pleasure)		MC. Dr. Anna Mwangi

**Day Four: Thursday, 18.07.2024 CONFERENCE**

<b>TIME</b>	<b>Master of Ceremony: Mr. Eric Wamanji</b>
07:30 – 08:30	<b>Arrival and Breakfast</b>

08:30 – 08:50	Presentation <b>Data Centers:</b> - Eng. Amos Siwoi MD/CEO - Olkaria Eco Cloud Data Centre	
08:50 – 09:10	Presentation <b>Consumption of Geothermal Energy: E-mobility</b> - Eng. Alex Mwanzo, General Manager, Equator Mobility	
09:10 – 09:30	Presentation <b>Mineral extraction from Geothermal Brine</b> - Hon. Joseph Langat, Chairman, National Mining Corporation	
09:30 – 10:00	<b>Health Break</b>	
10:00 – 10:10	<ul style="list-style-type: none"> <li>• <b>Presentation by Sponsor:</b> Mr. Matteo Quaia – Chief Executive Officer, Steam SRL</li> </ul>	
10:10 – 10:40	<b>Technical remarks on the utilization of advanced oil and gas technology in the geothermal</b> <ul style="list-style-type: none"> <li>• Mr. Mwendia Nyaga - Chief Executive Officer, Oil and Energy Services</li> <li>• Eng. Elizabeth Rogo - Chief Executive Officer, Tsavo Oilfield Limited</li> </ul>	
10:40 – 11:10	Presentation <b>Carbon Capture and Sequestration:</b> Ms. Anastasia Wanjohi – Cella Mineral Storage, Octavia	
11:10 – 11:20	<b>Presentation by sponsor:</b> Mr. Raphael Swerdlow – Business Development Manager, Ormat International Europe	
11:20 – 11:40	Presentation <b>Strengthening the Geothermal Sector in Kenya:</b> Ms. Sharon Obonyo – Director, Geothermal Association of Kenya	
11:40 – 13:00	<b>Panel Discussion</b> – Infrastructure, Security and Stakeholder Management to unlock Geothermal Development Panelist: <ul style="list-style-type: none"> <li>• Dr. Stephen Onacha – Director, Resource Development, Akiira Geothermal Limited</li> <li>• Ms. Amelia Letvin - State and Local Community Engagement Director, Geothermal Rising</li> <li>• Ms. Cindy Oraro – Legal Consultant. Oraro &amp; Company Advocates</li> <li>• Mr. Mark Mathenge- Sector Head, Energy &amp; Natural Resources, Corporative Bank</li> <li>• Dr. Kenneth Namunje - Chief Executive Officer, Savanna Renewable Energy Ltd</li> </ul>	<b>Moderator:</b>  Eng. Reuben Ngosi – Ag. General Manager, Drilling & Infrastructure, Geothermal Development Company
13:00 – 14:00	<b>Lunch Break</b>	
14:00 - 15:00	<b>Panel Discussion – International Collaboration, Research, Innovations &amp; Partnerships</b> Panelists: <ul style="list-style-type: none"> <li>• Mr. David Muthike - General Manager, Commercial Services, Kenya Electricity Generating Company</li> <li>• Dr. Bryant Jones – Executive Director, Geothermal Rising</li> <li>• Mr Rudi Devry - Africa Business Development Manager, Atlas Copco Rental</li> <li>• Mr. Ajay Shah - Chief Executive Officer, Geothermal Exploration Ltd</li> <li>• Representative – Uganda Electricity Regulatory Authority</li> </ul>	<b>Moderator:</b>  Mr. Tony Wanyama - Chief Executive Officer, Capital Power Limited
15:00 – 15:15	<b>Presentation by Sponsor:</b> National Oilwell Varco – Mr. Alexis Garcia - Business Development Director, Alternative Energies	
15:15 – 15:30	<b>Announcements &amp; Communication on Field Trips – Mr. Mike Karanja</b>	
15:30 – 15:45	<b>Summary of the Congress:</b> Mr. Peketsa Mangi - Chairman, Geothermal Association of Kenya	
15:45 - 16:00	<b>High Level Remarks:</b> Eng. Peter Njenga - Chief Executive Officer, Kenya Electricity Generating Company PLC	
16:00 – 16:15	<b>High Level Remarks:</b> Mr. Paul Ngugi - Managing Director & Chief Executive Officer, Geothermal Development Company	
16:15 – 16:30	<b>High Level Remarks:</b> Dr. (Eng) Festus Ng’eno - Principal Secretary, State Department of Environment	
16:30– 16:45	<b>Closing Remarks:</b> Mr. Alex Kamau Wachira - Principal Secretary, State Department for Energy	
17:00- 20:00	Gala Dinner & Awards Ceremony, Chief Guest, Mr. Alex Kamau Wachira - Principal Secretary, State Department for Energy and Principal Secretary, Dr. (Eng) Festus Ng’eno - Principal Secretary, State Department of Environment Program:	MC. Mr. Mike Karanja, Energy and Petroleum Regularoty Authority

Final

	<p><b>Theme: Celebrating Kenya’s Geothermal Energy Milestones</b>          17:00 - Arrival and Entertainment          18:00 - Chief Guest Arrival          18:15 - Video Presentation – The History of Geothermal Energy in Kenya          18:30 - Geothermal Innovation Presentations – Kenya Electricity Generating Company and Geothermal Development Company          19:00 - The Awards Ceremony          19:30 - Key Remarks by the Chief Guest          20:00 - Dinner is Served          21:00 – Close (Guests can leave at own pleasure)</p>	
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**Field Trips: 19.07.2024 – 21.07.2024**

Options	Duration	Field Tour To
Option 1	One Day – 19/07/2024	Olkaria Geothermal Field and Oserian Development Company
Option 2	Two Days – 19/07/2024 to 20/07/2024	Olkaria Geothermal Field, Oserian Development Company and Menengai Geothermal Field
Option 3	Three Days – 19/07/2024 to 21/07/2024	Olkaria Geothermal Field, Oserian Development Company, Menengai Geothermal Field and Baringo - Silali Geothermal Project