



AGEMERA Final Results Showcase:
Innovation, Impact & Zambia-Europe Collaboration for Sustainable Critical Raw Materials Development

DATE: 13th JUNE 2025
Location: Radisson Blu Hotel Lusaka, Lusaka, Zambia

Time	Activity	Presenter	Organisation(s)	Moderator
08:30 – 09:00	Participant Registration			UNZA
09:00 – 09:15	Welcoming Words & Participant Introductions	Cryton Phiri	University of Zambia	UNZA
09:15 – 09:30	Diplomatic Remarks: Representative of the Embassy of Finland	Jan Koivu	Embassy of Finland	Marko Holma
09:35 – 09:50	Keynote Address		Ministry of Mines	UNZA
09:50 – 10:00	Opening Remarks from the Project Coordinator	Video presentation by Jari Joutsenvaara	University of Oulu, Finland	Marko Holma
10:00 – 10:30	AGEMERA Project Overview: Structure, Objectives, Technologies & Results	Marko Holma	University of Oulu, Finland / Muon Solutions Oy, Finland	UNZA
10:30 – 10:45	NETWORKING TEA/COFFEE BREAK			
	Session I: Geophysical Methods and Innovations for Mineral Exploration <i>This session explores innovative geophysical approaches used in AGEMERA for subsurface characterisation and mineral exploration targeting. It covers drone-based surveys, cosmic-ray muography, passive seismic techniques, and integrated geophysical methods (ERT, seismic refraction, magnetometry, CSAMT), including case studies from both African and European sites. A final talk outlines how AGEMERA fuses multisource geodata using advanced machine learning and data-sharing platforms.</i>			
10:45 – 11:00	Drone-Based Surveys in Mapatizya and Luongo	Online presentation by Chitula Lukonde	Zanifi, Zambia	Marko Holma
11:00 – 11:15	Passive Seismic Surveys for Subsurface Characterisation: A Case Study from Spain	Online presentation Martin Schimmel	Geoscience Barcelona, Spanish National Research Council (Consejo Superior de Investigaciones Cientificas-CSIC), Spain	Marko Holma
11:15 – 11:30	Integrated Methods: ERT, Seismic Refraction, Magnetometry & CSAMT. Applications in Bosnia-Herzegovina	Online presentation by Franjo Šumanovac	University of Zagreb, Croatia	Marko Holma
11:30 – 11:45	Subsurface Imaging with Cosmic-Ray Muography: A Case Study from Bosnia-Herzegovina	Marko Holma	University of Oulu, Finland / Muon Solutions Oy, Finland	Cryton Phiri
11:45 – 11:55	Data Fusion & Sharing: Integrating AGEMERA's Multisource Exploration Data	Online presentation Barbara Štimac Tumara	OPT/NET, the Netherlands	Marko Holma
	Session II: Geological Field & Laboratory Studies <i>This session presents geological field data and laboratory analyses conducted within the AGEMERA project. It highlights mineralogical, structural, and geochemical findings from case studies in Spain, Bulgaria, and Zambia, with a focus on the Mapatizya pegmatite and Luongo manganese mine. The session provides key insights into the resource potential and mineral system characteristics across project sites.</i>			
11:55 – 12:10	Mining exploration and CRM: where are we heading? Strategic Exploration Approaches to Raw Materials	Fernando Tornos	Spanish National Research Council (Consejo Superior de Investigaciones Cientificas-CSIC), Spain	Marko Holma
12:10 – 12:25	Geological Insights from the Mapatizya Pegmatite, Zambia	Cryton Phiri	University of Zambia	Marko Holma
12:25 – 12:40	Geological Insights from the Luongo Manganese Mine, Zambia	Marko Holma	University of Oulu, Finland / Muon Solutions Oy, Finland	Cryton Phiri
12:40 – 12:55	Laboratory Analysis Results: Mapatizya and Luongo Mine	Stoyan Georgiev & Milen Stavrev	Geological Institute of Bulgarian Academy of Sciences, Bulgaria	Marko Holma
12:55 – 13:10	Geological Results from Bulgaria	Stoyan Georgiev & Milen Stavrev	Geological Institute of Bulgarian Academy of Sciences, Bulgaria	Marko Holma
13:10 – 14:40	LUNCH BREAK (at Radisson Blu)			
	Session III: Social Dimensions of CRMs and the Green & Digital Transition: Insights from AGEMERA <i>This session focuses on the public awareness, education, and stakeholder engagement aspects of AGEMERA's work, particularly in relation to sustainability, the Social License to Operate (SLO), and Europe–Africa partnerships.</i>			
14:40 – 14:50	Shaping CRM Strategies Through Public Insight: Lessons from AGEMERA's Surveys	Online presentation by Md. Ariful Islam	Technische Universität Bergakademie Freiberg, Germany	Marko Holma
14:50 – 15:00	AGEMERA's Public Engagement and University Course Development	Karin Käär	Tallinn University of Technology, Estonia	Marko Holma
15:00 – 15:15	AGEMERA's Dissemination, Communication & Collaboration Activities	Attila Némethy	Geonardo Environmental Solutions, Hungary	Marko Holma
	Session IV: Reflections, Dialogue & Outlook			

	<i>This final session provides space for open and forward-looking dialogue among participants, project contributors, and stakeholders. It features reflections on AGEMERA's legacy, lessons learned, and how its outcomes can inform future Africa–Europe collaboration in critical raw materials. The session also includes insights from parallel initiatives such as GTK's projects in Zambia, followed by an interactive Q&A and informal networking to encourage continued exchange beyond the event.</i>			
15:15 – 15:25	AGEMERA Outlook: Future Pathways for Africa–Europe Collaboration	Marko Holma	University of Oulu, Finland / Muon Solutions Oy, Finland	Cryton Phiri
15:25 – 15:40	High-Quality Airborne Data for Future Developments in Zambia: Strengthening Zambia's Exploration Potential through Finnish–Zambian Geoscientific Collaboration	Ilkka Lahti	Geological Survey of Finland	Marko Holma
15:40 – 16:20	Open Discussion and Q&A with Presenters and Stakeholders	–	–	Marko Holma
16:20 – 16:30	Closing Remarks and Official End of the Showcase	Marko Holma	University of Oulu, Finland / Muon Solutions Oy, Finland	Cryton Phiri
16:30 – 17:30	NETWORKING & INFORMAL CONVERSATIONS OVER REFRESHMENTS			