



UG

DEPARTMENT OF
EARTH SCIENCE



11th SGA-SEG-IUGS-UNESCO Short Course on African Metallogeny

University of Ghana, Department of Earth Science

Supergene Manganese-Placer and Orogenic Gold: From mineral wealth to sustainable prosperity in West Africa

26th September to 1st October 2027

The 11th SGA short course on African Metallogeny in Accra, Ghana, will focus on Manganese and Gold resources in West Africa and Ghana. The focus is on developing the value chain including environmental management with highest standards and up-to-date technologies to be competitive in the international market.

Ghana hosts critical minerals for the global energy transition such as manganese, bauxite, lithium, gold, rare earth minerals.

High-grade Mn carbonate resources are scarce at global scale. While Ghana's neighboring countries host oxide or lower grade Mn carbonate resources, Ghana is one of the rare countries having reached large-scale Mn carbonate mining. Ghana ranks 5th in world manganese reserves.

Ghana is the largest gold producer in Africa and features one of the most important gold-producing economies. Burkina Faso, Mali, Guinea and Ivory Coast are likewise important on the continent.

The short course is a great learning experience and an opportunity to meet and have informal discussions with geologists and engineers working in the fields of exploration, mining, and processing from industry, academia and government organizations.

The goal of this short course is to develop personal skills and competencies in the latest technologies, and build strategic partnerships across manganese and gold value chains.



TOPIC

- ❖ Manganese ore deposits and its by-products: advancements in exploration, mining and processing
- ❖ Placer and orogenic gold deposits: advancements in exploration, mining and processing
- ❖ Resource optimization along the value chain and waste minimization
- ❖ Safety and health in the manganese and gold sectors: making mining work for sustainable communities
- ❖ Environmental risk mitigation and management measures
- ❖ Standards and material traceability



**DEPARTMENT OF
EARTH SCIENCE**



Organizing Committee

The short course is composed of 2.5 days lectures and training and 2,5 days of excursions and fieldwork.

Indicative Registration fees

Lectures:	
Students	250 €
Academia / government / parastatal	500 €
Industry	1000 €
Online participation	100 €
Field trips	
Students	200 €
Academia / government / parastatal	400 €
Industry	600 €
4 Workshops (each 100€)	400 €

Fieldtrips

2 days (Thursday 30th September and Friday 1st October): Field excursion and mine visit.

Course structure and social events

- **Registration and Icebreaker:**
- Sunday 26th September 2027
 - Venue: Locality
- **Lectures, panels and workshops:**

Sunday 26th September workshops
Monday 27th – Wednesday 29th September 2027

**Course dinner:
Tuesday 28th September**

Preregistration link:

<https://forms.gle/ZqWAnBJMkWKzX4EY9>

- **Daniel Kwayisi** (Assoc. Professor, Department of Earth Science – University of Ghana)
- **Elikplim A. Dzikunoo** (Lecturer, Department of Earth Science – University of Ghana)
- **Kofi Adomako-Ansah** (Senior Lecturer, Department of Geological Engineering – University of Mines and Technology)
- **Sarah Gyamera-Amoako** (Chapter President, SEG Ghana Student Chapter)
- **Raymond Kazapoe** (Senior Lecturer, Department of Geological Engineering – University of Development Studies).
- **Naa Afi Agra** (Lecturer, Department of Earth Science – University of Ghana)
- **Jennifer E. Agbetsoamedo** (Lecturer, Department of Earth Science – University of Ghana)
- **Abigail E. Ayikwei** (Lecturer, Department of Earth Science – University of Ghana)
- **Obed Fifi Fynn** (Lecturer, University of Energy and Natural Resources)
- **Beate Orberger** (SGA resp. for African Metallogeny Short Courses, Géosciences Conseils Catura Geoprojects, France)
- **Ismahene Chaouche** (SGA, African Metallogeny short course co-coordinator, UTHB, Algeria)
- **Mary Immaculate Neh Fru** (SGA, African Metallogeny Short Course workshop activity-coordinator, CRGM, Garoua, Cameroon).
- **Marvine Nzepang Tankwa** (SGA, African Metallogeny Short Course posters committee, webinars, IRGM, Yaounde, Cameroon)
- **Edmund Nickless** (IUGS chair, Resourcing Future Generations Initiative, UK)
- **David Baratoux** (IRD Research Director, Geosciences Environnement Toulouse (GET))
- **Titilola Amodou** (Lagos Energy Summit Coordinator, Ministry of Energy, Department of Geology, Ibadan University, Nigeria)
- **Malick Faye** (SGA president Young Scientist Network Senegal)
- **Doro Niang** (Directeur, Africa Global Geoingenierie)

General information :

Beate Orberger: beate.orberger@catura.eu

Foreign students register - grant application

Ishmahen Chaouche: chasane@gmail.com

Registration enquiries:

Daniel Kwayisi: dkwayisi@ug.edu.gh

Elikplim A. Dzikunoo: eadzikunoo@ug.edu.gh