



9th SGA-IUGS-SEG-UNESCO SHORT COURSE ON AFRICAN METALLOGENY

How can West Africa best use its mineral wealth for economic development?

The 9th Short course of African metallogeny will use titanium, zirconium, phosphate, and bauxite as examples, to explore challenges and opportunities to add value in-country to mined materials.

West Africa plays a key role as an important supplier of these materials. Can West Africa mine, concentrate, and produce intermediate metal compounds? This could enable the economic transition envisaged by the African Mining Vision 2050 and the Agenda 2063 of the African Union.

The target audiences are engineers and geologists in exploration and mining companies, but also those from the processing sector and geological surveys, PhD and Masters' students, researchers, and university lecturers."

The goal of these short courses is to develop personal skills and competencies in exploration and mining.

**25th – 29th November 2024
Dakar, Senegal**

organized by
**Society for Geology Applied to Mineral Deposits
National Geological Survey of Senegal
UNESCO, IUGS, RFG, SEG**



The meeting will discuss the mineral wealth of West Africa and its optimal use for economic development, in the current context of the global energy transition and decarbonization of the mining and metallurgical industries.

TOPICS

- ❖ The role of technology metals in the energy transition in West Africa.
- ❖ Environmental impact, managing environmental degradation, sustainable mining.
- ❖ Titanium-zircon oxide deposits: opportunities and risks for West Africa
- ❖ Bauxite a critical raw material: opportunities and risks for West Africa
- ❖ Phosphate deposits: opportunities and risks for West Africa.



The short course will comprise 2,5 days of lectures, workshops (personal skill development) and evening events, as well as 2,5 days of practical training and excursion to the Titanium sand deposits mined by Eramet, and to nearby mine sites.

Indicative FEES (€)

(exact fees will be depend on sponsorship)

Lectures:

| | |
|------------------------------------|-------|
| Students | 250€ |
| Academia / government / parastatal | 500€ |
| Industry | 1000€ |
| Online participation | 100€ |
| Field trips | |
| Students | 200€ |
| Academia / government / parastatal | 400€ |
| Industry | 600€ |

Fieldtrips

- 2 days (Thursday 28th and Friday 29th November) Field excursion and mine visit at Eramet mine and to nearby mine sites.

Course structure and social events

- Registration, icebreaker: Sunday 24th November at Cheikh Anta Diop University
- Lectures: Monday 25th – Tuesday 26th October (2,5 days)
- Course dinner: Monday 25th November in Gorée Island
- Workshop (personal skill development): Wednesday 27th November

Organizing Committee

- **Rokhaya Samba** (Director of National Geological Survey of Senegal)
- **Mahamadane DIENE**, Director of ENSMG
- **Malick Faye** (SGA president Young Scientist chapter /AJGES Senegal,)
- **Doro Niang** (President of AJGES, Vice President of SGA Senegal)
- **Raymond SAGNA** (Director of Exploration and Applied Geology, SGNS, Senegal)
- **Alla Diaw** (Director of Laboratories, SGNS Senegal)
- **Fatoumata Dramé** (Director of Documentation and Information,SGNS, Senegal)
- **Ibrahima Maal**, (Chef de département Géosciences UAM)
- **Cheikh Ibrahima Youm** (Enseignant-Chercheur, UCAD)
- **Beate Orberger** (SGA resp. for African Metallogny Short Courses, Université Paris Saclay, Catura Geoprojects, France)
- **Ismahene Chaouche** (SGA, African Metallogeny short course co-coordinator, UTHB, Algeria)
- **Edmund Nickless** (IUGS chair Resourcing Future Generations Initiative, UK)
- **Riad Ben El Khaznadji**((FSTGAT/USTHB). ALGERIA)
- **Mouloud Issaad**((FSTGAT/USTHB). ALGERIA)
- **Filadelphia Mbingeenko** (Vice President SGA Subsaharian Africa Windoek, Namibia)
- **Mary Immaculate Neh Fru** (SGA, African Short Course workshop activity-coordinator, CRGM, Garoua Cameroon)

Preregistration link



https://docs.google.com/forms/d/e/1FAIpQLSc-4ALF9Sk4e_tKYKg1avwSHJOg1uatCNRB3Rg3TDnFOXaOkQ/viewform?usp=pp_url

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