

2021-rescheduled



7th SGA-IUGS-SEG-UNESCO Short Course on African Metallogeny NAMIBIA

Energy Metals for a Sustainable



29th November to 3rd December 2021

in

Windhoek (Geological Survey)

organized by
Society for Geology Applied to Mineral Deposits
Geological Survey of Namibia
Namibian Uranium Association
IUGS-RFG

CONTACT & REGISTRATION:

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This short course will address geological, technical, and societal challenges associated with “energy metals” that are needed for low CO₂ footprint clean energy systems.

The global demand for electricity is expected to grow from about 27 TWh in 2019 to about 41 TWh in 2040. Coupled with the low-carbon energy transition this creates new opportunities for the mining industry. The renewable energy sectors require huge amounts of metals for energy production, transmission, and storage. “Energy metals” are also key to manufacturing the advanced materials needed for communication products, electric mobility, and lightweight design. As a major energy consumer, the mining sector itself is a significant player in the energy transition. The mining industry must provide the raw materials for the energy transition, and it must do so in a sustainable and socially acceptable way.

In Namibia, mining accounts for 25% of the country’s revenue. Namibia hosts world-class, high-grade polymetallic deposits and stratabound copper-silver-cobalt deposits, world-class base metal and uranium deposits (world’s 4th uranium oxide producer), and unique lithium, vanadium, germanium, gold, REE and diamond deposits. Namibia is also processing zinc from zinc-oxide ores.

Internationally recognized experts will give lectures, lead workshops and field trips to bring together people from academia, industry and government.

TOPICS

- The role of the minerals sector in the transition to low-carbon energy and meeting the Sustainable Development Goals
- Introduction to the geology of Namibia
- Metallogeny of Namibia
- Exploration Potential of Energy Metals in Namibia
- Uranium
- Vanadium
- Zinc
- Copper
- Lithium
- Rare-Earth Elements
- Quantifying the demand for energy metals
- Navigating the social issues related to exploration and mining for energy metals

Workshops will study drill cores from Namibian energy metal deposits and methods for in-field geochemical analysis.

A 2-day field trip: for details see program

LANGUAGE: English

VENUE

The five-day short course will be held Windhoek from 29th November to 3rd of December 2021. The short course is composed of 3 days of lectures and workshops/panel discussions and 2 days of field trips (Lithium, Uranium mine and outcrops around Swakopmund). Details are in the program.

NUMBER OF PARTICIPANTS

For the field trip, information are included in the detailed program. Supplement information will be sent according to the sanitary requirements of the mining companies.

There will be ample time for participants from industry meet and talk with academic colleagues (researchers, lecturers and students)

All those attending the Short Course will be required to meet any conditions of travel, such as proof of vaccination, the results of recent 'Covid tests', and to observe any local rules such as social distancing or the wearing of masks.



SOCIAL EVENTS: ice-breaker party, gala dinner

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REGISTRATION

Fees

Lectures and workshops (3 days)

- Industry: 900 €
- Government/academia: 500 €
- Students: 200 €

Field Trip (2 days)

- Industry: 700 €
- Government/academia: 300 €
- Students: 200 €

Students, young researchers and lecturers may apply for a grant. The grant application form is available on the website.

The registration fees include:

Airport pick-up and drop-off,
Ice breaker party, gala dinner, coffee breaks,
lunches.

Fieldtrip: all transport; lunch, dinner, and
accommodation (3/12); breakfast, lunch (2/12).

Registration deadline:

Friday, 15th October 2021

VISA

An invitation letter will be sent for registered delegates.

Please note: for delegates from many countries with transit in Johannesburg, a transit visa is necessary!

For help please contact: Ismahen Chaouche
chasane@gmail.com

ACCOMMODATION

Safari Hotel in front of the Geological Survey is recommended.

ORGANIZING COMMITTEE

Beate Orberger (SGA Council member, Université Paris Saclay, Catura Geoprojects, Paris, France)

Mary Barton (Independent Consultant, Namibia)

Maeve Boland (University College Dublin and Geological Survey Ireland)

Ismahene Chaouche (Université Alger (USTHB), Algeria)

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