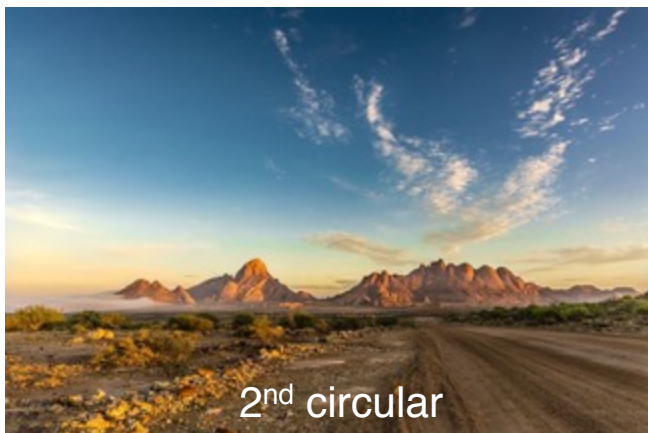




## 7<sup>th</sup> SGA-IUGS-SEG-UNESCO Short Course on African Metallogeny

### Energy Metals for a Sustainable Society



**23<sup>rd</sup> - 27<sup>th</sup> November 2020**  
**Windhoek, Namibia**

organized by  
Society for Geology Applied to Mineral Deposits  
IUGS-RFG  
Geological Survey of Namibia  
Namibian Uranium Association  
Université Paris Saclay (GEOPS)

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 CO<sub>2</sub> 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 4<sup>th</sup> 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 to uranium and lithium projects.

**Language:** English

### Venue

The five-day short course will be held at the Geological Survey in Windhoek, Namibia from 23<sup>rd</sup> to 27<sup>th</sup> of November 2020. The short course is composed of 3 days of lectures and workshops/panel discussions and a 2-day field trip to a uranium mine and a lithium project.

Participants must arrive on Sunday 22<sup>nd</sup> of November in Windhoek.

## Number of participants

For the field trip, for logistical reasons and to ensure maximum benefits for each participant, the maximum of participants is 50. Up to 150 people can attend the lectures.

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



**Social events:** ice-breaker party, gala dinner

## CONTACT & REGISTRATION:

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*Ismahen Chaouche* ([chasane@gmail.com](mailto:chasane@gmail.com))

## 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 (26/11); breakfast, lunch (27/11).

### 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](mailto:chasane@gmail.com))

## ACCOMMODATION:

Please make your own reservations directly with these hotels. The Geological Survey of Namibia has reserved rooms at special short course rates, so ask for these rates.

**AREBBUSCH Lodge**, Windhoek,

[reservations@arebbusch.com](mailto:reservations@arebbusch.com)

room prices: 1,240 – 1,550 NAD

**SAFARI Hotel**, Windhoek

[reservations4@safarihotelsnamibia.com](mailto:reservations4@safarihotelsnamibia.com)

room prices: 900 - 1,050 NAD

## ORGANIZING Committee

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

**Maeve Boland** (University College Dublin and Geological Survey Ireland)

**Ismahen Chaouche** (Université Alger (USTHB), Algeria)

**Mary Hikumuah** (University of Namibia, Keetmanshoop)

**Filadelphia Mbingeneeko** (Geological Survey Namibia, Windhoek)

**Anna Nguno** (Geological Survey Namibia, Windhoek)

**Edmund Nickless** (IUGS Executive Committee Councillor and Chair, Resourcing Future Generations Initiative, UK)

**Gabi Schneider** (Namibian Uranium Association, Swakopmund)

**Ghislain Tourigny** (Vice president SGA, Subsaharian Africa, Perseus Mining, Abidjan, Ivory Coast)

**Ester Shalimba** (University of Namibia, Keetmanshoop)