International Association on the Genesis of Ore Deposits

www.iagod.org

IAGOD STUDENTS PRESENT AT THE SEG 2024 CONFERENCE IN WINDHOEK, NAMIBIA

As a partner of the Society of Economic Geologists (SEG), IAGOD was pleased to sponsor students attending the SEG 2024 conference in Windhoek, Namibia on the 27th–30th of October. This conference was organised in partnership with the Geoscience Council of Namibia and the Geological Society of Namibia, and featured the latest developments in the field of economic geology with a focus on sustainable development. The main sessions explored the energy transition, specialty metals and materials, innovative technology, and new discoveries and developments. A special focus was the major ore districts of Africa—including ongoing exploration and resource development. IAGOD awarded eight bursaries to student members presenting their work.

IAGOD students and members of the council.

With 260 students and early career professionals attending (and more than 200 student presentations), the conference offered a fantastic forum for students to share their experiences and work. Of these, 96 students from 22 African countries were able to attend through fully funded CAP (Conference Assistance Program) sponsorships. The opening event included a welcome from the organising committee, the SEG presidential address, and a plenary talk by Anne Thompson (and co-authors) on Geoscience Capacity Building for the Future: the African Perspective. Sessions during the conference covered the wide span of economic geology, but focused particularly on the geology, exploration, and sustainable development of African resources.

Student engagement in panel discussions as well as the SEG Student Chapter Showcase provided a strong student voice throughout the conference. Student chapters were given a platform to share their achievements, highlight key initiatives, and advertise their activities to the SEG community. Panel discussions focused on maximising collaboration between academia and industry, including making the most of networking and mentorship and navigating career transitions in the mining industry, as well as career opportunities in the African and worldwide mineral industry.

The conference offered 10 pre- and post-conference field trips and five professional workshops. The field trips showcased gold, REE, and base metals deposits in Namibia; lithium, chromite, and platinum group metal deposits in Zimbabwe; and the Zambian Copperbelt. The IAGOD sponsored student, Maxwell Porter, attended the trip on Base Metal Deposits of Southern Namibia, led by Patrick Redmond and Eckhart Freyer, with visits to the Paleoproterozoic Haib porphyry Cu-(Mo) deposit, the stratabound Rosh Pinah Zn-Pb deposit, and the fascinating Skorpion non-sulfide zinc deposit. The trip also visited the stunning Fish River Canyon—the second largest canyon worldwide after the

Field trip attendants at the Haib porphyry copper deposit.

Grand Canyon of the United States, allowing participants to examine the Late Neoproterozoic lower Nama and the Paleoproterozic Namaqua Groups.

Through IAGOD's bursaries, eight MSc and PhD students presented their research with two oral and six poster presentations. The oral presentation by Charles Kono Ebede (Botswana International University of Science and Technology) presented new geochronological evidence for two post-Archean mineralisation episodes in the Archaen Tati greenstone Belt of NE Botswana. Maxwell Porter (University of British Columbia, Canada) explored how alteration mineralogy and geochemistry serve as mineralisation indicators at the unexposed Camp Creek Porphyry Cu-Au deposit in British Columbia, Canada. Cendi Dana's (University of Edinburgh, United Kingdom) prize-winning poster explored how chlorite, muscovite, and garnet relate to mineralisation in the King metamorphosed volcanogenic massive sulphide (VMS) deposit of the Yilgarn Craton, Australia. Maryce Nandeche (University of Nairobi, Kenya) studied magnetic lineaments and radiometric data for the understanding of the tectonic controls on mineralisation at the Rambi gold prospect of the Busia-Kakamega Greenstone Belt of western Kenya. Ana Carvalho (University of Porto, Portugal) explored high-resolution airborne magnetic and radiometric surveys at the Barroso-Alvão Pegmatite Field in northern Portugal, and particularly how thorium depletion correlates with the pegmatite clusters. Silvanus Shafiishuna (University of Namibia) explored the metamorphic and tectonic evolution of the Vioolsdrif domain and Richtersveld Magmatic Arc on the Haib porphyry Cu-Mo deposit of Namaqualand, Namibia. Abia Amukongo (University of Namibia) explored gold remobilisation in gossans above sulfide-bearing quartz-carbonate veins of the Usakos dome in the Damara Orogen, Namibia. The veins appear to be related to the underlying Okawayo marble. Salaam Jansbaka Adams (University of Ghana, Accra, Ghana) studied the mineralogy and phosphate paragenesis of the Ewoyaa lithium pegmatites in southern Ghana.

On behalf of the sponsored students, we take this opportunity to thank IAGOD for their generous support.

Ana Carvalho (University of Porto, Portugal)
Maxwell Porter (University of British Columbia, Canada)