



International Association on the Genesis of Ore Deposits

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IAGOD AT THE 37th IGC IN BUSAN, SOUTH KOREA

The International Geological Congress (IGC) is the flagship conference of the International Union of Geological Sciences (IUGS) and has been gathering geoscientists for more than 140 years. Under the theme of 'The Great Travelers: Voyages to the Unifying Earth', the 37th IGC convened on the 25th to 31st of August 2024 in Busan, South Korea. This was the first time that Korea hosted the congress; and as the 2020 IGC in Delhi, India became a virtual meeting, it was the first in-person IGC for seven years. The congress began with a spectacular opening ceremony with traditional Korean dance and drums. The opening speech by the IUGS President, Professor John Ludden, highlighted the role of the geosciences in the challenges that face humanity.



FIGURE 1 Drs. Wei Jian (IAGOD Executive Secretary), Yang Li, Tania Martins (IAGOD President), David R. Lentz (IAGOD Promotions Manager), and PhD student Yan Yu after the Magmatic Hydrothermal Systems session.

The overarching congress themes were climate change, resource depletion, and natural disasters, as well as solutions to carbon neutrality, renewable resource development, and disaster management. Scientific sessions spanned the diverse fields of geosciences from planetary science and deep mantle and crustal dynamics to earth resources, biogeochemistry, urban and environmental geology, and geoscience education.

At the signing ceremony, Dr. Bat-Erdene noted that research exchanges between Japan and Mongolia had been stimulated after this academic agreement. In particular, thanks to the efforts of Prof. Yasuhito Osanai, a former JAMS President, one Mongolian geologist joined the Japanese Antarctic Research Expedition and gained valuable experience in geological research in Antarctica. In response, JAMS reflected that the exchange agreement was of great significance for the development of both societies, and stressed the importance of further developing exchanges between the two countries. Specifically, the agreement mainly included the mutual acceptance of field trips and the mutual invitation of researchers to international symposiums held at the congresses of the two societies to be more active.

Masaaki OWADA and Yasuhito OSANAI

INVITATION TO THE JAPAN GEOSCIENCE UNION MEETING 2025

We are pleased to inform you that the Japan Geoscience Union (JpGU) meeting will be held on 25–30 May 2025 at Makuhari Messe in Chiba, Japan. The JpGU is an organization with 50 academic societies and more than 10,000 individual members related to Earth and planetary sciences. We will continue the hybrid format this year with some revisions. International research exchange has become much more active, and the number of overseas participants in the JpGU Meeting has been increasing. JpGU will be a fruitful opportunity for the development of Earth and planetary sciences. More information is available at www.jpogu.org/meeting_e2025.



FIGURE 2 Transfer of the IGC trophy to the organisers of the 38th IGC, 2028 in Calgary, Canada. PHOTO: J. DEMORCY.

Apart from an exciting and varied scientific programme, the congress featured the GeoExpo, a GeoFilm festival, the Young Scientists Party, and opportunities to visit attractions in Busan. The Korean Night conference dinner included delicious local food and performances of Korean dance, taekwondo, and K-pop. Field trips allowed participants to explore the diverse geology of Korea including Neoproterozoic to Triassic tectonics, sedimentary basins, volcanic regions, the Taebaeksan metallogenic province, the Hapcheon Impact Crater, the Shar Tsav dinosaur footprints, and the Busan and Jeju Island Geoparks. The closing signing session of the Busan declaration for geosciences emphasized the commitment to supporting young geoscience professionals, research into renewable resources, and carbon neutrality.

As an IUGS affiliated society, IAGOD contributed two sessions on ore deposits. The session on 'Granitic Pegmatite-Hosted Critical Mineral Deposits' was hosted by Drs. Yamuna Singh (University of Hyderabad, India) and Tania Martins (Manitoba Geological Survey, Canada) with Dr. Kathryn Goodenough (British Geological Survey) as the invited keynote speaker. Dr. Goodenough highlighted the fascinating work her team has been developing on African pegmatites in exploring the long geological history of craton development and continental collision, and the association and mineralogical diversity of lithium-bearing pegmatites from the Neoproterozoic to the Palaeozoic. The session on 'Ore-forming Magmatic Hydrothermal Systems: Analysis of Source to Sink in Deposit Genesis' was hosted by Drs. David R. Lentz (University of New Brunswick, Canada) and Yang Li (Peking University, China). Shao-Yong Jiang (China University of Geosciences) and Vadim Kamenetsky (University of Tasmania) gave keynote presentations. Other highlights for IAGOD members included an excellent plenary talk by the SEG distinguished lecturer, Adam Simon, who explored similarities and connections between iron oxide–apatite and iron oxide–copper–gold (IOCG) deposits. Excellent attendance at the IAGOD sessions reflects the strong interest in critical metals and the pivotal role that metal resources have in the global energy transformation. Our executive council members also took part in the Fifth Ordinary Session of the IUGS-IGC Council and the meeting of the IUGS affiliated organizations.

We are pleased to support IGC 2028, which will take place in Calgary, Canada featuring Geosciences for Humanity. Partnered with PDAC and RoundUp, IGC 2028 in Canada will include an investor's floor and a mineral exploration core shack in the GeoExpo (trade show). One Keynote Daily Theme will focus on 'Critical Minerals and Sustainable Energy Transition' with opening and closing panel discussions and a series of plenary speakers. There will also be mineral exploration-oriented field excursions across the North American Craton. The IAGOD community is welcome as volunteers throughout the National Organization Committee and IAGOD-oriented session proposals are encouraged. Please refer to the website <https://www.igc2028canada.org/>.