



Japan Association of Mineralogical Sciences

<https://jams-mineral.jp/english/jams/>

MESSAGE FROM THE PRESIDENT



I am Toru Inoue of Hiroshima University, and I will be serving as the President of Japan Association of Mineralogical Sciences (JAMS) for two years from the end of September 2024.

JAMS was established in 2007 through the merger of the Japanese Association of Mineralogists, Petrologists, and Economic Geologists (established in 1928) and the Mineralogical Society of Japan (established in 1952). In 2016, the society

became a general incorporated association, and currently has over 800 members.

The main activities of the society are (1) publication of academic journals (e.g., Japanese journal *Genseki Koubutsu Kagaku (GKK)* and English journal *Journal of Mineralogical and Petrological Sciences (JMPS)*); (2) holding of academic conferences, general meetings, lectures, and research meetings; and (3) encouragement of research and awards. Through these activities, we are working to develop and popularize mineralogy and related fields.

There have been some major changes in the last two years, such as the outsourcing of the secretariat, but thanks to the efforts of the previous executive board, directors, and secretaries, the management system is now on track. We hope to continue this system and make JAMS even more open and active in the future.

By the way, the decline in membership numbers has been a hot topic in academic societies recently. In JAMS, this trend continued until 2022. However, from 2022, the number of members began to increase, with a particularly noticeable increase in young members. I felt this vitality at the annual meeting, general meeting, and reception held at Nagoya University in September 2024. I am delighted by this trend and feel that JAMS has great potential. One of the most important activities of a society is the exchange of people through annual conferences and social gatherings, and I feel that this important function is also working effectively in JAMS.

My involvement with JAMS began when I participated in the first YMO (Young Mineralogist Organization) Summer School, held in Nakatsugawa City, Gifu Prefecture, in 1988 (I was a fourth-year undergraduate student at the time). By participating in this event, I was able to meet many new friends. The following year, in 1989, I joined JAMS. It was the first academic society I joined. I realize the importance of such activities, so I would like to continue to provide them for young people in the future. In addition, with an eye to the future, I would like to consider establishing junior members and amateur members.

The activities of JAMS are based on the idea of a beneficiaries-pay principle for the services they receive, and are funded by appropriate membership fees and article submission fees collected from members. However, as we are a non-profit organization, the funds available for management and activities are limited, and it is difficult to undertake new activities. We have set up a "Request for Donations" on the upper right of JAMS website. We would be grateful for your support and donations to promote the activities of JAMS.

Thank you for your cooperation over the next two years.

Toru Inoue, President,
Japan Association of Mineralogical Sciences (JAMS)

REPRESENTATIVE OF THE MONGOLIAN SOCIETY OF ECONOMIC GEOLOGISTS VISITS NAGOYA TO SIGN A MEMORANDUM OF UNDERSTANDING (MOU) WITH THE JAPANESE ASSOCIATION OF MINERALOGICAL SCIENCES

Three delegates of the Mongolian Society of Economic Geologists (MonSEG), Dr. D. Bat-Erdene, (Acting President), Prof. S. Jargalan, and Mrs. A. Arvinzun attended the annual meeting of the Japanese Association of Mineralogical Sciences (JAMS) to sign the Agreement for Academic Cooperation and Exchange between JAMS and MonSEG at Nagoya University. The ceremony was held on September 13, 2024. This academic agreement was first signed in 2011, and this is the second extension of the agreement. Prof. Masaaki Owada and Dr. Bat-Erdene signed the agreement as presidents of JAMS and MonSEG, respectively.



Representatives of the Japan Association of Mineralogical Sciences and Mongolian Society of Economic Geologists. The photograph was taken after the MOU signature. (LEFT TO RIGHT): Prof. Toru Inoue (Hiroshima Univ.), Prof. Yasushi Watanabe (Akita Univ.), Prof. Masaaki Owada (Yamaguchi Univ.), Dr. Dash Bat-Erdene (Mongolian Society of Economic Geologists), Prof. Sereene Jargalan (Mongolian University of Science and Technology), Prof. Yasuhito Osanai (Kyushu Univ.), and Mrs. Mashbat Arvinzun (Mongolian Society of Economic Geologists).

Since the signing of the first agreement in 2011, the JAMS and MonSEG have conducted mine tours in Japan and Mongolia in 2012, and deeply exchanged their knowledge and skills. This was extended to the first exchange agreement at the 2019 annual meeting at Kyushu University. However, Covid-19 subsequently forced both sides to unfortunately discontinue visiting each other. This was done in response to the fact that the previous agreement had a validity period for five years, and it was agreed to extend the same agreement for another five years.

The JAMS and MonSEG organized the commemorative symposium related to the signing ceremony entitled "Comprehensive understanding of the crustal evolution and resource exploration in Asia." The symposiasts and titles are as follows, and the symposium was followed by lively discussion after each lecture.

- Yoshitaka HOSOYA (JICA): Decarbonized society and essential metal resources
- Kazuhiro YONEMURA (JOGMEC): Japan's current approach to securing mineral resources
- Sereene JARGALAN (Mongolian University of Science and Technology), Mashbat ARVINZUN (MonSEG): Critical metal potentiality of Mongolia
- Mariko NAGASHIMA, Teruyoshi IMAOKA (Yamaguchi University): Insights into the mineralogical characteristics of Li-enriched metasomatic albitite from the Iwagi islet, SW Japan
- Yasushi WATANABE (Akita University): Ion adsorption-type REE deposits: the source of HREE



International Association on the Genesis of Ore Deposits

www.iagod.org

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/>.