The International Union of Geological Sciences (IUGS) is a non-political, non-governmental, non-profit organization. Founded in 1961, it is one of the largest member organizations of the International Science Council (ISC) and one of the world's largest scientific organizations. It has a global membership of about a million earth scientists through approximately 120 member countries, which are represented through Adhering Organizations - commonly academies, geological surveys, or geological societies. In addition approximately 60 international organizations are affiliated with IUGS.

IUGS promotes development of the earth sciences by supporting broad-based scientific activities. It promotes international collaboration in establishing global geostandards. It strengthens public awareness of geology and advances geological education. IUGS organizes international projects and meetings, sponsors symposia and scientific field visits, produces publications, and addresses issues of standardization. Topics range from fundamental earth science research to economic and industrial applications and extend to social, educational, environmental and developmental issues. Many activities take place on a 4-year cycle, commencing or ending during each international geological congress (IGC) - the main scientific forum of the IUGS.

IUGS is governed by an elected Executive, which consists of a President, Treasurer, Secretary General, past President, 2 Vice-Presidents, and 4 Councilors. The Executive Committee is supported by a Secretariat (E-mail:secretariat@iugs.org). Details of current membership and the Executive are at www.iugs.org.
OBJECTIVES OF IUGS

IUGS promotes international collaboration and cooperation with the objectives of:

• expanding awareness of the importance of the earth sciences;
• producing authoritative geological standards;
• improving the exchange of and access to geoscience information;
• enhancing geoscience professionalism;
• supporting education in the earth sciences;
• addressing human and societal needs; and
• capacity building.

These objectives are addressed through Committees, Commissions, Task Groups, Initiatives and Joint Programmes undertaken in collaboration with other organizations.

ADMINISTRATION

The IUGS is administered by a Council consisting of representatives of the Adhering Organizations of member countries, Chairpersons of Commissions, and members of the Executive Committee. The Executive Committee, consisting of 10 distinguished Earth scientists from around the world, together with the Permanent Secretariat based in Beijing ensures that the Union operates as a professional scientific body and the actions approved by the IUGS Council are implemented. The Executive Committee also monitors and reports on IUGS activities. The Finance Committee, the Publications Committee, and the Nominating Committee support the work of the Executive Committee.

The International geological community interacts with IUGS through two types of organization.

a) Adhering Organizations representing countries or defined regions - currently there are approximately 120 of these; and

b) Affiliated Organizations, which are international non-governmental autonomous scientific organizations and which collaborate with IUGS in scientific meetings and activities - there are about 60 of these.

CURRENT IUGS ACTIVITIES

International Geological Congress

The IUGS-IGC Council is responsible for deciding the host of future IGCs and the International Geological Congress Committee (IGCC), comprising the Presidents and Secretary Generals of the past two IGCs and the IUGS Bureau (President, Secretary General, and Treasurer), advises the organizers.

IUGS Scientific Commissions:

• Geoscience Education, Training and Technology transfer (COGE)
• History of Geological Sciences (INHIGEO)
• Management and Applications of Geoscience Information (CGI)
• Stratigraphy (ICS)
• Tectonics and Structural Geology (TECTASK)
• Global Geochemical Baselines (GGB)
• Geoheritage (ICG)

Golden Spike

Pounding in of the base of a golden spike that marks the base of the Jurassic System

GSSP Marker

ZUMAIA SECTION

Global Boundary Stratotype Section and Point (GSSP) - Zumberak Formation - UPV Spain

Pounding in of the base of a golden spike that marks the base of the Jurassic System
Task groups:
- Global Geoscience Professionalism (TGGGP)
- Geohazards (TGG)

Joint programs:
- International Lithosphere Program (ILP)
- Isotopes and Geochronology (TGIG)
- International Geoscience Partnership (IGCP)
- International Geological Congress (IGC)

Initiatives:
- Forensic geology (IFG)
- Resourcing the Future (RFG)
IUGS PUBLICATIONS

**Episodes** – the flagship quarterly international science journal of the IUGS. It contains original scientific research and review papers of global and regional significance and IUGS reports. A special issue is prepared for each International Geological Congress. Thematic issues appear regularly. The Geological Society of Korea provides editorial and production support through their office in Seoul. Newly accepted articles are published online first. These and all issues can be accessed without charge at www.episodes.org. Printed copies are available on subscription.

**Books** - The Geological Society of London has first refusal of publications arising from IUGS activities. Since this relationship was established, the Society has published 25 books arising from IUGS activities and 11 books from International Geological Congress sessions.

**International Stratigraphic Chart** – The IUGS International Commission on Stratigraphy, with international agreement, regularly updates a definitive chart with the aim of standardizing stratigraphical nomenclature. The current edition is at www.stratigraphy.org. IUGS activities also contribute numerous papers to other journals and books from other publishers.
IUGS OUTREACH

News and information are provided through:

- the IUGS website (www.iugs.org);
- a monthly E-Bulletin, released to some 16000 addresses world-wide, which provide short informal news on activities and changes in the IUGS community and all issues are archived on the IUGS website; and
- regular postings on social media – some posts on the IUGS Facebook page have reached tens of thousands of viewers.

IUGS/UNESCO INTERNATIONAL GEO SCIENCE PARTNERSHIP

This respected collaboration between IUGS and UNESCO began in 1972 as the International Geological Correlation Program (IGCP). Since then, tens of thousands of earth scientists from many countries have participated in short-term projects, many of which have led to long-term collaborations. The program now primarily supports participation by geoscientists from under-represented groups and regions and is an international gateway for early career geoscientists. Work is currently supported within 5 themes:

- Earth resources – sustaining our society;
- Global change and the evolution of life – evidence from the geologic record;
- Geohazards – mitigating the risks;
- Hydrogeology – geosciences for the water cycle; and
- Geodynamics – control of our environment.

There is an annual call for applications. Full information is available on the IGCP website:

INTERNATIONAL GEOLOGICAL CONGRESS (IGC)

First held in 1878, the quadrennial IGC is a premier event of the earth science calendar covering the whole span of geosciences. The IUGS has been involved in its organisation since 1961. Information on the next Congress (New Delhi, India, 2020) can be found at www.36igc.org.