

GEOCHEMICAL MAPPING IN LATIN AMERICA AND THE CARIBBEAN: *GEOCHEMICAL KNOWLEDGE FOR SOCIETAL USE*



**“MAPEO GEOQUÍMICO EN LATINOAMÉRICA Y EL CARIBE:
CONOCIMIENTO GEOQUÍMICO PARA USO SOCIAL”**

8th NOVEMBER 2023

ONLINE

9 AM (COT) 14:00 GMT– 3 hours

FREE REGISTRATION

The invitation is open to all those interested in knowing the geochemistry of the natural environment as a social good for humanity.

GLOBAL GEOCHEMISTRY WEBINAR



ASGMI
Asociación de Servicios
de Geología y Minería
Iberoamericanos

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Contact: Gloria Prieto IUGS – CGGB
(prigloria@gmail.com)

Gracia Olivenza ASGMI (gracia.olivenza@asgmi.org)



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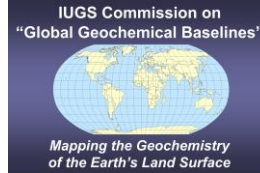
Spanish, English, Portuguese

PARTICIPANTS

TOPICS – GENERAL AGENDA

- ❖ Welcome by the IUGS President
- ❖ Overview of the IUGS Global Geochemical Baselines Commission (CGGB)
- ❖ Welcome by ASGMI Executive Secretary
- ❖ Overview of the ASGMI Geochemistry Expert Group (GEGEOQ)
- ❖ Overview of the Euro- Geo - Surveys Geochemistry Expert Group
- ❖ Overview of the UNESCO -IGCP
- ❖ Presentation of the IUGS Manual of Standard Methods (IUGS - CGGB)
- ❖ Presentation of the Manual of Geochemistry Methodologies of Ibero-America ASGMI (ASGMI-GEGEOQ)
- ❖ Progress in Geochemical Mapping: Latin America and the Caribbean (GS)
- ❖ Discussion and Conclusions

- ✓ *IUGS (President)*
- ✓ *ASGMI (General Secretary)*
- ✓ *IUGS Commission on Global Geochemical Baselines*
- ✓ *Geochemistry Expert Group of ASGMI (Ibero-America)*
- ✓ *Euro-Geo-Surveys Geochemistry Expert Group*
- ✓ *Research groups and geochemists from Latin America and the Caribbean*
- ✓ *UNESCO IGCP*



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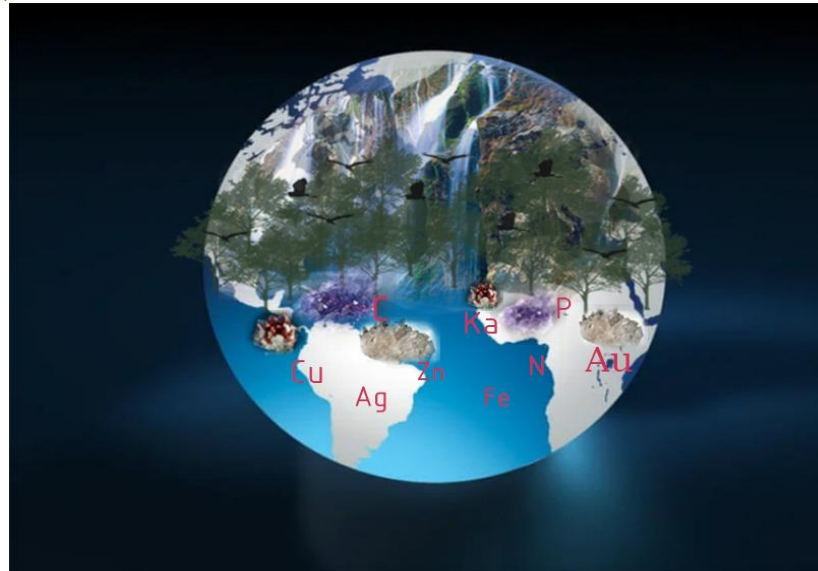
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It is the first time in Latin America that two important geochemistry groups have come together to promote and encourage geochemical mapping of the earth as an imperative social need. The importance of increasing the geochemical knowledge of the earth on a global, continental, national and local scale is based on the need to have information to plan the use of each territory in harmony with the natural environment and for the well-being of society, as well as also to monitor the continuous changes of the planet earth.

At this event the International Union of Geological Sciences (IUGS) will present the recently published "**Manual of Standard Methods for Establishing the Global Geochemical Reference Network**" which contains standards and detailed information on selection of sampling sites, sampling protocols for rock, soil, humus, water, sediments (stream, floodplain, overbank), sample preparation, quality control, development of reference materials, data management and processing, preparation of maps and the principles for the development of the project of global geochemical mapping. Application of these standardized methodologies will allow the production of consistent data at a global level, with the necessary quality control to be used in projects and research that meet the needs of today's society.



**International Union of Geological Sciences
Manual of
Standard Methods for Establishing the
Global Geochemical Reference Network**

edited by
Alecos Demetriades, Christopher C. Johnson, David B. Smith,
Anna Ladenberger, Paula Adánez Sanjuan, Ariadne Argyraki,
Christina Stouraiti, Patrice de Caritat, Kate V. Knights,
Gloria Prieto Rincón and Gloria Namwi Simubali

International Union of Geological Sciences
Commission on Global Geochemical Baselines
Special Publication
No. 2

Approved as
official
publication for
the IUGS 60th
anniversary
celebration
2022



Published by
The International Union of Geological Sciences
Commission on Global Geochemical Baselines

ISBN: 978-618-85049-1-2

**MANUAL DE METODOLOGÍAS GEOQUÍMICAS
DE PAÍSES IBEROAMERICANOS.**

Información Geoquímica para la Sociedad.

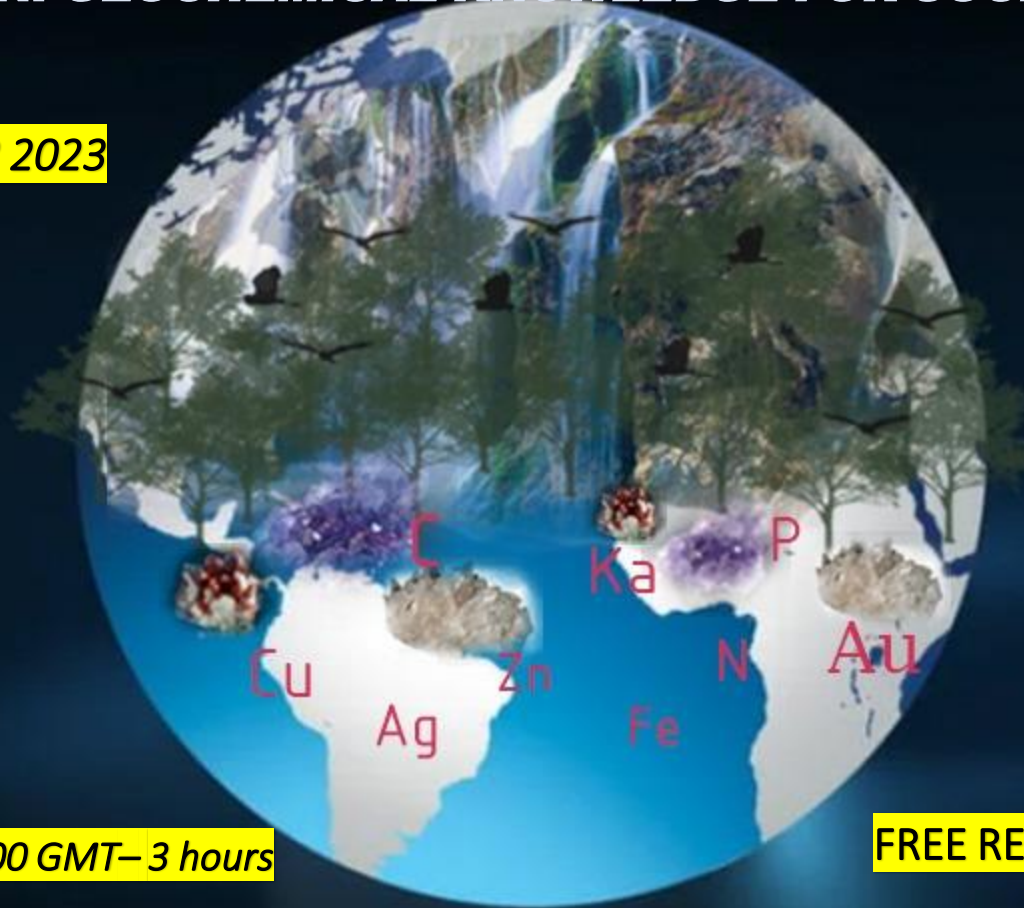


The Association of Ibero-American Geological and Mining Surveys (ASGMI) will present the "**Manual of Geochemical Methodologies of Ibero-American Countries - Geochemical Information for Society**" which summarizes the current state of progress of geochemical mapping programs in Ibero-America and details the methodologies (sampling, sample preparation, analytical methodologies, data processing, map production, quality control, among others) used for the production of geochemical data in Ibero-American countries. Latin American and Caribbean countries will present advances in sampling and geochemical mapping in their territories.

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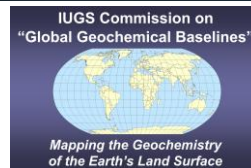
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