



XVI Chilean Geological Congress

“New Challenges for an evolving territory”

In Memory of Dr. Beatriz Levi Dresner

November 26 – December 1, 2023

Santiago, Chile

FIRST CIRCULAR

Santiago, July 2022

INVITATION AND BACKGROUND INFORMATION

The **Geological Society of Chile (SGCh)** is pleased to invite you to participate in the **XVI Chilean Geological Congress (XVI CGCh) “New challenges for an evolving territory”** to be held as a face-to-face event in Santiago, Chile, on **November 26 – December 1, 2023**.

Four years have passed since the last Chilean Geological Congress, which brought together more than 1,400 members of the national and international geoscientific community in successful academic sessions. At the closing ceremony of that event, at the Campus of the Universidad de Concepción, it was announced with much enthusiasm that the sixteenth version of the Congress would be held in 2021, at a venue to be determined. In compliance with the deadlines stipulated by the *"Regulations for the Organization and Development of Chilean Geological Congresses"*, a call was made to apply for the organization of the event, to which only the Colegio de Geólogos de Chile expressed its intention to participate, intention that was ratified by the letter of acceptance dated August 9th, 2019, from the Geological Society of Chile, to organize the next Congress jointly. In January 2022 and after postponements caused by the pandemic and changes in the members of the Boards of both institutions, it was resolved that the Geological Society of Chile (SGCh) would be the only organizer of the XVI Chilean Geological Congress.

On the other hand, as in other activities of our lives, during the last two years, the professional geoscientific work was strongly affected. This made us rethink the instance, finally deciding to postpone and join efforts to convene a face-to-face congress, which allows us to meet again in the context of this traditional event. We are convinced that the face-to-face format will benefit the entire scientific community. It is in this spirit of optimism and reunion that the Geological Society of Chile (SGCh) extends this invitation to those who wish to share their scientific and human stories on this new date.

IN MEMORIAM

The XVI CGCh is held in memory of Dr. Beatriz Levi Dresner (1930 - 2022), the first graduate woman in Mining Engineering in Chile, who dedicated her life to the teaching and practice of geology at a level of excellence in different institutions of our country, forever marking many generations of geologists with her great talent, her simplicity, her scientific curiosity, and her great love for Geology.

ORGANIZING COMMITTEE

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“New Challenges for an Evolving Territory”



PARTICIPANTS

The Organizing Committee of the XVI CGCh invites the national and international community to participate to share their advances in Science, Technology, Knowledge, and Innovation in the framework of Earth Sciences.

OBJECTIVES

In accordance with the "*Regulations for the Organization and Development of Chilean Geological Congresses*", the objectives of the XVI CGCh are the following:

- To bring together the scientific-technical community linked to Geosciences to share their advances in theoretical and applied research in the field of Earth Sciences.
- To encourage the exchange of ideas and information between professionals of Earth Sciences.
- To establish links between the Geoscientific Community and Civil Society, thus promoting the approach to issues of public interest related to the territory and the scientific and professional work of Earth Sciences.

SCIENTIFIC PROGRAM

In accordance with the motto of the XVI CGCh "*New Challenges for an Evolving Territory*", the scientific program will focus on the advances of Earth Sciences that contribute to the sustainable, economic, social, and cultural development – of our society and its environment.

The **Geoscientific Community is invited to submit Session proposals** in the frame of one of the Six Thematic Areas that compose the Scientific Program of the Congress. The call for Session proposals will be made during the second semester of 2022. The format, deadlines, and other details for the submission of these Session proposals will be informed in due course.

THEMATIC AREAS

The following is the description of each one of the six Thematic Areas of the **XVI CGCh**. **Each Thematic Area will have the participation a renowned invited speaker.**

AT1 Basic Research in Geosciences

Studies on the characterization of deep and shallow geological processes that contribute to the understanding of the evolution of the earth's crust and its surface evidence, as well as studies related to planetary sciences.

AT2 Innovation and Technology in Geosciences

New techniques and advances in geochemistry, mineralogy, geophysics, geoinformatics and the exploration of deep and hidden resources, together with the quantification and representation of geological processes.

AT3 Water and Energy Resources

Exploration and assessment of water and energy resources, challenges of the cryosphere (glaciers and polar areas) and emerging trends in geothermal energy.

AT4 Mineral Resources

Studies of processes and systems of deposit formation, exploration techniques and evaluation of mineral resources, contribution of geoscientific disciplines (geotechnics, geomechanics, geometallurgy, hydrogeology, mining geology, and mining planning) to their conversion into mineral reserves, as well as the emerging concern for critical and strategic minerals required by mankind.

AT5 Applied Geosciences

Contributions in subjects such as the study and evaluation of geological hazards and risks, geology applied to civil works and environmental geosciences, territorial planning, prevention, and decontamination of industrial areas.

AT6 Geosciences and Society

Geosciences projected to different areas of society, from their teaching, their historical development and impact, their correct professional application from a gender and diversity perspective, characterization of geodiversity for the conservation of geological heritage and their impact on the planning and use of the territory.

SPECIAL MEETINGS, SCIENTIFIC-TECHNICAL WORKSHOPS AND FIELD TRIPS

During the XVI CGCh, special scientific meetings, scientific-technical workshops, and field trips of high interest in the context of the current challenges of the Geosciences may be held. It will also be possible to hold assemblies of the main organizations of geoscientists. The application process and deadline for holding a special meeting or assembly, and for proposals for scientific-technical workshops and field trips will be informed in due course.

OFFICIAL LANGUAGES

The official languages of the XVI CGCh are Spanish and English. Abstracts may be submitted in either of the two languages.

VENUE

The venue of the XVI CGCh is Santiago, the capital city of Chile. The specific venue will be announced in due course.

SECOND CIRCULAR

The Second Circular will contain information on:

- Sessions / Thematic Area
- Special Meetings
- Scientific-Technical Workshops and Field Trips
- Editorial Guidelines
- Registration and abstract submission processes
- Registration Fee

SPONSORSHIP

The XVI Chilean Geological Congress is an event belonging to the Geological Society of Chile, a non-profit institution, consequently its funding comes from the fees of those registered for the event and the contributions and donations from companies, institutions, and national and foreign research centers. We invite you to provide us with information and data from institutions that may contribute to the best performance of this traditional Chilean meeting of Earth Sciences, of international scope.

CONTACT

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SOCIAL MEDIA

Facebook: <https://www.facebook.com/congresogeologicochileno>

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