



XII South American Symposium on Isotope Geology, SSAGI

July 3 – 6, 2022

Santiago, Chile

First Circular

We are pleased to announce that after a two-year hiatus the **XII South American Symposium on Isotope Geology** (SSAGI) will be held from Sunday 3rd through Wednesday 6th July 2022 in Santiago, Chile. The symposium aims to bring together Earth scientists from different areas in order to exchange new ideas on the application of isotope geochemistry and geochronology in basic and applied research. The conferences will cover subjects like crustal and mantle evolution, geochronology of metamorphic and igneous processes, geochronology and isotope geochemistry of ore deposits, low temperature geochronology of geological processes, isotopes applications in paleoclimatology, environmental geochemistry and hydrogeology, and new isotope developments. It is being organized by the Geological Society of Chile and an Organizing Committee composed of geoscientists from different Universities and representatives of the Servicio Nacional de Geología y Minería, SERNAGEOMIN.

Organizing Committee

Chairs: Mauricio Calderón (Geological Society of Chile and Universidad del Desarrollo) and Katja Deckart (Universidad de Chile).

Secretary: Marcia Muñoz (Universidad Andrés Bello).

Production: Monica Sorondo, Paula Quijada, Julietta Zamora.

Local Scientific Board: Francisco Hervé (Geological Society of Chile and Universidad de Chile), Reynaldo Charrier (Geological Society of Chile and Universidad Andrés Bello), Paola Martínez (SERNAGEOMIN), Hans Kauffmann (SERNAGEOMIN).

Scientific Advisory Board

The Organizing Committee is currently working on setting up an **International Advisory Board** to give scientific endorsement to the XII SSAGI. To date, we appreciate the confirmation of the following colleagues as members of this Board:

- Dr. Ryo Anma, Graduate School of Technology, Industrial and Social Sciences, Tokushima University, Japan.
- Dr. Anelize Bahniuk Rumbelsperger, Lamir Institute, Universidade Federal do Paraná, Brasil.
- Dr. Miguel Basei, Instituto de Geociências da Universidade de São Paulo, Brasil.
- Dr. César Casquet, Emeritus Professor, Facultad de Geología, Universidad Complutense, Spain.
- Dr. Juan Andrés Dahlquist, CONICET-Universidad Nacional de Córdoba, Argentina.
- Dr. C. Mark Fanning, Research School of Earth Sciences, Honorary Associate Professor, The Australian National University, Australia.

- Dr. Claudio Gaucher, Instituto de Ciencias Geológicas, Facultad de Ciencias, Universidad de la República, Uruguay.
- Dr. Mauricio Ibáñez-Mejías, Department of Geosciences, University of Arizona, United States.
- Dr. Margarita López, Centro de Investigación Científica y de Educación Superior de Ensenada, Baja California, CICESE, Mexico.
- Dr. Maximiliano Naipauer, Instituto de Geocronología y Geología Isotópica, UBA-CONICET, Argentina.
- Dr. Yuji Orihashi, Graduate School of Earth and Environmental Sciences, Hiroshima University, Japan.
- Dr. Sebastián Oriolo, Instituto de Geociencias Básicas, Aplicadas y Ambientales de Buenos Aires (IGEBA), CONICET-Universidad de Buenos Aires, Argentina.
- Dr. Robert Pankhurst, United Kingdom.
- Dr. Peter Schaaf, Laboratorio Universitario de Geoquímica Isotópica (LUGIS), Instituto de Geofísica, Universidad Nacional Autónoma de México, Mexico.
- Dr. Richard Spikings, Department of Earth Sciences, University of Geneva, Switzerland.
- Dr. César Vinasco, Departamento de Geociencias y Medio Ambiente, Facultad de Minas, Universidad Nacional de Colombia, Colombia.
- Dr. Jingsui Yang, Chinese Academy of Sciences, School of Earth Sciences and Engineering, Nanjing University, CARMA, Institute of Geology, Chinese Academy of Geological Sciences, China.

Program

This event will be done in hybrid format, on-site and via streaming, and will include oral and poster presentations in English, the official language of the symposium. Keynote Lectures during Plenary Sessions will be delivered by specialists of international reputation. Over 200 geoscientists are expected to participate.

Principal themes of the XII SSAGI include scientific contributions dealing with the use of radiogenic and stable isotopes in the diverse fields of Geology are welcome. The following themes of investigation will be emphasized:

- Isotope evolution of the crust and mantle.
- Isotopes applied to ore genesis, minerals, oil, and gas.
- Geochronology of metamorphic and igneous processes.
- Low temperature geochronology of geological processes.
- Isotope geochemistry of sedimentary successions.
- Quaternary geochronology.
- Isotope applications in paleoclimatology.
- Isotopes in environmental geology and water resources.
- New isotope developments and applications.

The Organizing Committee invites you to submit proposals for special sessions. Each session will consist of 3-4 oral presentations and posters and will be incorporated into the final program. We require: Title of the session and corresponding principal theme; Name of the convenors (affiliation and email); Session description (max. 200 words); List of potential speakers and presenters. **The deadline for submission of special session proposals will be February 15th, 2022.**

Please find attached the form for the submission of a special session proposal.



Special sessions proposed to date are:

- ***“The Rio de la Plata Craton and its importance for the amalgamation of West Gondwana”*** (Craton Rio de la Plata e sua importância para a constituição de Gondwana Ocidental). *Convener:* Miguel Angelo Stipp Basei (Instituto de Geociências da USP, Centro de Pesquisas Geocronológicas).
- ***“Geochemistry of unconventional oil and gas plays: from deposition to exploration to remediation”***. *Conveners:* Juan Carlos Silva Tamayo (Antono Narino University) and Alcides N. Sial (Universidade Federal de Pernambuco).

Post-Symposium Geological Trip

July 7th, 2022. “Cenozoic tectono-magmatic evolution of Central Chile”: travel by bus from Santiago to Valle Nevado. This is an optional activity and is subject to sanitary and meteorological conditions.

Abstracts

Abstracts related to different themes of investigation must be written in English, including abbreviated references and without tables and figures. The submission of an abstract can only be made through the online platform once the author has registered and completed his or her personal information.

The registration, abstract submission and registration fee payment processes will start on February 1st, 2022. The deadline for the submission of abstracts will be April 15th, 2022.

The guidelines for submitted abstracts should consider:

Title: maximum 200 characters

Authors: maximum 200 characters

Affiliations: maximum 800 characters

Contents of the abstract: maximum 4000 characters without space

Key Dates

- **February 1st, 2022:** Beginning of the registration, abstract submission, and registration fee payment processes, through the online platform.
- **February 15th, 2022:** Deadline for Special Session Proposals.
- **May 31st, 2022:** Deadline for early registration.
- **April 15th, 2022:** Deadline for abstract submission.

The Symposium will take place on **July 3-6, 2022**. The preliminary schedule for the scientific sessions, social activities and field trips is listed below:

- **July 3rd Sunday:** On-site registration (12:00-17:00 hrs.) – Icebreaker
- **July 4th Monday:** Opening Ceremony – Talks and poster presentations (9:00-17:30 hrs.)
- **July 5th Tuesday:** Talks and poster presentations (9:00-17:30 hrs.)
- **July 6th Wednesday:** Talks and poster presentations (9:00-17:30 hrs.) – Farewell Dinner
- **July 7th Thursday:** Post-Symposium Geological Trip



Conference Venue. The XII SSAGI will be held in the **Campus Rector Ernesto Silva Bafalluy of Universidad del Desarrollo**, located at Plaza 680 Avenue, **Las Condes, Santiago, Chile**. It is placed at the foot of the Andes Mountain range. It can be accessed using the metro (subway) and public transportation. Uber application is widely used in the city.

Registration Fee (in \$USD)

Category	Full Pass		
	Early Reg. (Until May 31, 2022)	Standard Reg. (April 1 – July 2)	On-Site Reg.
On-site participants			
Regular	270	320	400
Regular ¹	200	250	350
Emeritus ²	150	200	250
Student ³	100	120	150
Accompanying person ⁴	50	50	50
Remote participants			
Regular	100	125	-
Student	50	60	-

¹ Member of the Geological Society of Chile (SGCH), Geological Association of Argentina (AGA). Other Geological Societies are welcome to contact the SGCH for registration benefits before March 10th, 2022.

² Over the age of 65 and retired from full-time employment.

³ Certified undergraduate, postgraduate (MSc/PhD) and postdoctoral students.

⁴ Only available at the venue (on-site registration). A social program will be advertised.

The Organizing Committee is currently working on the updated website of the XII SAGGI. The online platform for the registration, abstract submission and registration fee payment processes will be available on our website shortly, along with more information.

Contact

contacto@ssagi.science

We welcome you to Santiago, Chile, and look forward to meeting you in the **XII South American Symposium on Isotope Geology, SSAGI**.

Organizing Committee
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Santiago, Chile
July 2022

Santiago, January 2022