



SOCIETY OF ECONOMIC GEOLOGISTS, INC.

7811 Shaffer Parkway • Littleton, CO 80127-3732 USA • Tel: +1.720.981.7882 • Fax: +1.720.981.7874 • E-mail: seg@segweb.org

Student Chapter Annual Report Cover Page

Submission Deadline: September 30th

Submit to: studentprograms@segweb.org

Month/Year Reported: From 04/2022 (mm/yyyy) – To 09/2022 (mm/yyyy)

STUDENT CHAPTER:

Check if update
needed at segweb.org

Name: SEG/SGA UNC Student Chapter

University Affiliation: Universidad Nacional de Córdoba (UNC)

Mailing Address: Av. Vélez Sarsfield 1611 (5016 CP). Córdoba, Argentina

Dedicated E-mail: segsga.unc.studentchapter@gmail.com

Website: _____

Logo: Attached

Facebook: _____

Twitter: _____

Instagram: https://www.instagram.com/seg.sga.unc/

LinkedIn: https://www.linkedin.com/in/seg-sga-unc-student-chapter-324320237/

YouTube: https://www.youtube.com/channel/UC4YeUCGliK5PcNaB0pVU-_A

Chapter Executive Committee (*in office during the time frame captured on this report*) (type "Vacant" if position not filled):
The new committee is reported on the Student Chapter Membership Information form (SCMIF).

President: Sofía Belén Guerrico sofi-guerrico@mi.unc.edu.ar
Name E-mail

VicePresident: Juan juan.delosrios@mi.unc.edu.ar
Name E-mail

Secretary: Pablo Exequiel Petri pablo.petri@mi.unc.edu.ar
Name E-mail

Treasurer: Ariana González Vidal ariana.vidal@mi.unc.edu.ar
Name E-mail

Chapter Academic Sponsor: Check if SEG Fellowship in good standing

PhD Julio Bruna Novillo julio.bruna@unc.edu.ar
Name E-mail

Av. Velez Sarsfield 1611. Córdoba, Argentina
Address Phone

Chapter Industry Sponsor (*not affiliated with the student chapter's institution*): Check if SEG Fellowship in good standing

Jose Antonio Bassan joseb@caminocorp.com
Name E-mail

Juan Bautista Alberdi 49, Ingeniero Jacobacci. Río Negro, Argentina
Address Phone

Sponsoring Institution or Company(name): Universidad Nacional de Córdoba



SEG UNC STUDENT CHAPTER ANNUAL REPORT 2022

Student Chapter Executive Committee (from April 2022 to December 2022)

- President: Guerrico, Sofía Belén.
E-Mail Address: sofi-guerrico@mi.unc.edu.ar
- Vice President: de los Ríos, Juan Manuel.
E-Mail Address: juan.delosrios@mi.unc.edu.ar
- Secretary: Petri, Pablo Exequiel.
E-Mail Address: pablo.petri@mi.unc.edu.ar
- Treasurer: González Vidal, Ariana.
E-Mail Address: ariana.vidal@mi.unc.edu.ar

Student Chapter members

*Guerrico, Sofía; *de los Ríos, Juan Manuel; *Petri, Pablo Exequiel; *González Vidal, Ariana; Arnoletto, Ana Clara; Veiner Tinant, Giselle; Gandía, Martín; Pennacchio, Gastón; Godoy González, Luana; Cuello, Sofía; Delgado Richard, Gregorio; Falchini, Evelyn; González, Gabriela; Alonso, Daniela; Peñaranda, Franco; Elena, Lucía; Trinadori, Gerónimo; Romano, Facundo; Palma, José; Capdevila Leunda, Gaspar; Tomei, Talía; Romero, Julián; Alcibararechuluaga, Yanet Alejandra; Zallocco, Janet; Jara, Felipe; Cervi, Dante; García Lameiro, Celeste; Tolaba, Natalia; López, Belén.

*SEG Members

Report of activities

This report will summarize the activities of the SEG UNC Student Chapter since its creation April 2022 to September 2022.

1. Regular meetings

During the period April - September we made virtual meetings twice a month, with the purpose to organize different lectures provided by destacados expositors. There all the programs were discussed and put into action, also we held meetings with our advisors once a month.

2. Lectures

The various presentations lasted approximately one and a half hours, including questions posed by the participants to the speakers at the end.

The following is a summary of the presentations given:

On the occasion of the celebration of the mining day

- Dr. Ricardo Raúl Rodríguez and geologist Ricardo Martínez -

The speakers were Ricardo Raúl Rodríguez, Director of Human Resources and Sustainability at Eramine Sudamérica S.A. and Ricardo Martínez, Secretary of the San Juan Chamber of Mines.

The event lasted approximately one hour and was divided into two stages. In the first, Rodriguez began his presentation by highlighting the importance of sustainability to generate profitability in mining. Finally, Martínez focused his presentation on the various projects that are currently being carried out in our country.



DÍA DE LA MINERÍA 2022

CONFERENCIA ONLINE

Viernes 06 Mayo
4:00 pm - 5:30 pm
Argentina

Apertura
Pablo Recabarren
Decano
Facultad de Ciencias Exactas, Físicas y Naturales - UNC

Moderador
Julio Bruna Novillo
Advisor Sponsor SEG
Director
Centro Vinculación Geología Aplicada FCEyN - UNC

Speaker
Ricardo Raúl Rodríguez
¿Por qué ser sustentables genera rentabilidad?
Director de Recursos Humanos y Sustentabilidad
Eramine Sudamérica S.A.

Speaker
Ricardo Martínez
Actualidad de proyectos mineros en Argentina
Secretario Cámara Minera San Juan

Inscripción

UNC Universidad Nacional de Córdoba | FCEyN FACULTAD DE CIENCIAS EXACTAS, FÍSICAS Y NATURALES | SECRETARÍA DE GRADUADOS | ESCUELA DE GEOLOGÍA UNIVERSIDAD NACIONAL CORDOBA

Image 1. "Mining day" lecture flyer.

YouTube link: <https://www.youtube.com/watch?v=CONZEEoR0tc&t=2s>

“Don Marcelo” Mining Project Intermediate-High Suptidation Epithermal System (Gold).

- Jorge Espinosa Gray -

On May 25th, the virtual talk "Don Marcelo" Mining Project Intermediate-High Suptidation Epithermal System (Gold) was given by Jorge Espinosa Gray, general manager at Blue Dome Exploraciones SAC. This lecture was organized jointly with the current argentinian Student Chapters: SEG - Student Chapter UNS and SEG - SGA Student Chapter UNLP. The presentation was transmitted by Google Meet and Youtube.

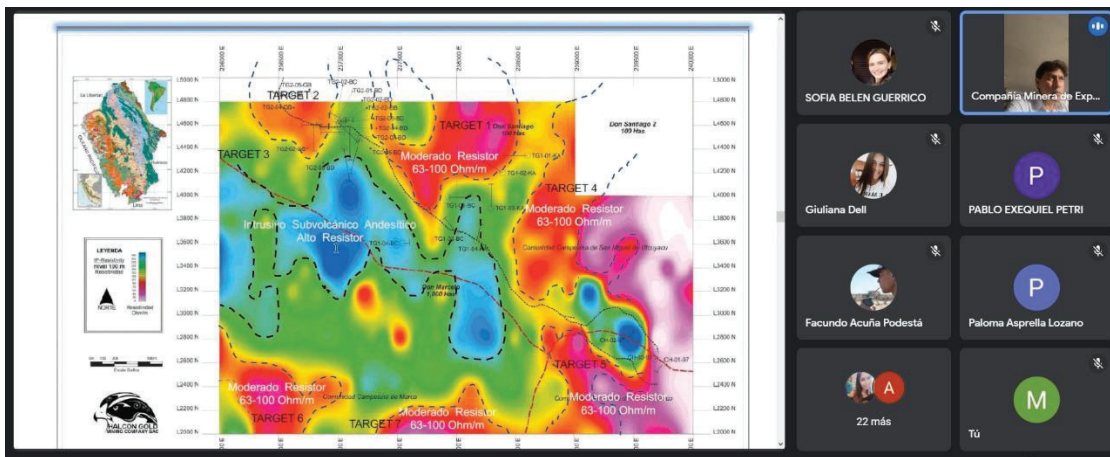


Image 2. “Don Marcelo Mining Project Intermediate-High Suptidation Epithermal System (Gold)” screenshot of the talk.

YouTube link: <https://www.youtube.com/watch?v=7G8V6wyr33Y&t=14s>

“40 años de exploración en el Deseado”

- Geologist Silvio A. Franco - (colofranco@yahoo.com.ar)

On Friday, June 10th, a lecture titled "40 years of exploration in Deseado" was presented by Geologist Silvio Franco. The talk dealt with the main characteristics of the Deseado Massif (Patagonia, Argentina), the main exploration projects and a summary of the knowledge achieved in the last 40 years of exploration in the region.



Geól. Silvio A. Franco
"40 años de exploración en el Deseado"

Viernes 10 de Junio | 16:00 hs.
Transmisión en vivo por nuestro canal de YouTube

Image 3. "40 years of exploration in Deseado" lecture flyer.

YouTube link: <https://www.youtube.com/watch?v=5yLN-6vywCQ&t=2s>

"Gold-Silver-Copper Mineralization at the San Francisco Project San Juan, Argentina, An example of a gold-rich intrusion-related tourmaline breccia system"

- Geologist Chico Azevedo - (chico@turmalinametals.com)

On Thursday, August 4th, Geologist Chico Azevedo gave a lecture "Gold-Silver-Copper Mineralization at the San Francisco Project San Juan, Argentina, An example of a gold-rich intrusion-related tourmaline breccia system". The talk, as the name suggests, summarized the geology, mineralization, grades and textures of the gold-rich San Francisco tourmaline breccia studied by Turmalina Metals.



Geólogo Chico Azevedo

"Gold-Silver-Copper Mineralization at the San Francisco Project San Juan, Argentina. An example of a gold-rich intrusion-related tourmaline breccia system"

Jueves 4 de Agosto | 18:00 hs (GMT-3 Argentina)
Transmisión en vivo por nuestro canal de YouTube

Image 4. “Gold-Silver-Copper Mineralization at the San Francisco Project San Juan, Argentina, An example of a gold-rich intrusion-related tourmaline breccia system” lecture flyer.

YouTube link: <https://www.youtube.com/watch?v=zQ8wOhMoo2g>

“Depósitos epitermales: nexos con el magmatismo y diversos orígenes de los fluidos mineralizantes”

- Dr. Antoni Camprubí - (camprubitaga@gmail.com)

On Friday, August 19th, PhD Antoni Camprubí gave a lecture on "Epithermal deposits: links with magmatism and different origins of mineralizing fluids". The author proposes a different form of understanding the different subtypologies of epithermal deposits, based on the origins of the mineralizing fluids, specifically the different proportions of those of magmatic origin.

Dr. Antoni Camprubí

"Depósitos epitermales: nexos con el magmatismo y diversos orígenes de los fluidos mineralizantes"

Viernes 19 de Agosto | 16 a 18 hs (GMT-3 Argentina).
Transmisión en vivo por nuestro canal de YouTube

Image 5. "Epithermal deposits: links with magmatism and different origins of mineralizing fluids" lecture flyer.

YouTube link: <https://www.youtube.com/watch?v=uBJEKZozcyc>

"Conceptos sobre geología ambiental y riesgo geológico y su nomenclatura internacional"

- Dr. Adriana Niz - (aniz@tecno.unca.edu.ar)

On Friday, September 23th, PhD Adriana Niz gave a lecture on "Concepts of environmental geology and geohazards and their international nomenclature". The speaker presented the main concepts on environmental geology, establishing the differences between them and presenting them in didactic local examples, supported by her professional experience.



Image 6. “Concepts of environmental geology and geohazards and their international nomenclature” lecture flyer.

YouTube link: <https://www.youtube.com/watch?v=NAYZAKGsvno&t=3355s>

3. Participation in lectures, conferences and workshops

RecMin Workshop: "Geologic Modeling and Mineral Resource Estimation" - organized by SGA UNC Student Chapter

On May 16th, 18th, 23rd eight participants from the chapter learned about RecMin, a mining software. The workshop was led by Lucas Venier, an advanced geology student.

We were introduced to RecMin and learned about data management, geological modeling, block model database and mineral resource estimation.

Seminar: "Working in mining: The transition from books to 150 meters underground" - organized by SGA UNC Student Chapter

On May 27th, a seminar was given by the geologist Gastón Tommasone. The topic consisted of an introduction to the underground mining industry, how people live and work there and the transition from university to working life.



Image 8. Gastón giving the lecture.

Seminar: “Open-pit mining at Cerro Moro” - organized by SGA UNC Student Chapter

On June 16th, a seminar was given by the geologist Arturo Crespi. The topic followed the line of the previous seminar, this time relating the experience in open-pit mining.

Lecture: “Uranium: Resources, Production and Demand for Nuclear Power Generation” - organized by SGA UNC Student Chapter

On July 26th MSc Luis López provided an updated global overview of existing uranium resources, production levels and methodologies used, present and future demand under different nuclear power generation scenarios.

Virtual participation at the SEG 2022 Conference: Minerals For Our Future

From August 27th to 30th 2022 a member of our Student Chapter attended the SEG Conference virtually. The conference was very well organized and made use of virtual platforms that expanded its boundaries. This first experience at a SEG Conference provided new insights and curiosity about global economic geology among a diversity of participants.

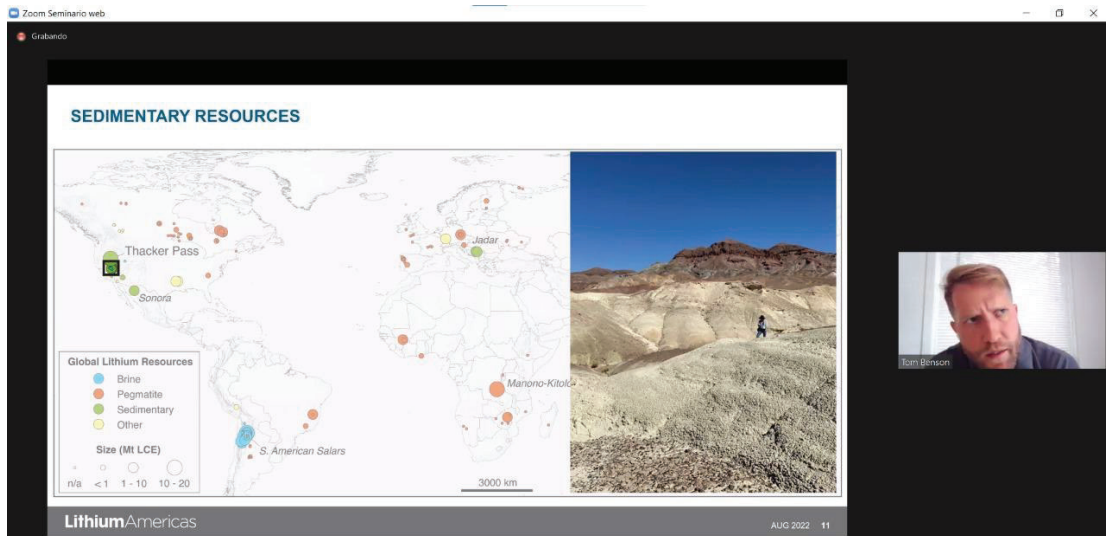


Image 7. Workshop 01 “Lithium and Rare Earth Element Mineral Deposits” on Sunday, August 21.

Lecture: "Geological and Spectral Considerations of the Zoe Vein at the Cerro Moro Mine, Santa Cruz Province, Argentina" - organized by SGA UNC Student Chapter

This time on September 15th geologist Gastón Tommasone exposed his undergraduate thesis. The topics were the problems of clays in mineral processing, defining characteristics of epithermal systems and theoretical fundamentals of spectrometry.

4. Other programs

Among other activities we carried out a talk about the chapter with the purpose of incorporating new members and generate more diffusion about the student chapter. This activity was accompanied by a barbecue at our university.



Image 8. Informative talk given by members of the chapter.



Image 9. Relaxed barbecue at university.

5. Future plans

For the remaining months of the school year our idea is to continue with the talks we have scheduled, including a talk already planned for October 6 titled “Overview of porphyry systems and their genesis, from the magmatic chamber to volcanic emanations and mineralisation” (PhD. Antonio Arribas).

We also want to continue promoting the student chapter through the creation of stickers and mugs with the chapter logo. And selling these to geology students.

In addition to the stipulated lectures, we would like to conduct courses on important topics for the future professionals. Our idea is to do some short courses on soft skills such as leadership. Also, we would like to do a course on epithermals with Dr. Antoni Camprubí who gave us a talk this year.

For next year we hope to contact student chapters in other countries to generate joint talks. In addition, we want to plan field-based educational activities through a trip to the deposit of Gold-Silver-Copper mineralization at the San Francisco Project in San Juan, Argentina.