



# 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 September/2022 (mm/yyyy) – To September/2023 (mm/yyyy)

STUDENT CHAPTER:

Check if update needed at segweb.org

Name: UFPR SEG Student Chapter

University Affiliation: Federal University of Paraná

Mailing Address: Av. Cel. Francisco H. dos Santos, 100 - Jardim das Américas, Curitiba - PR, 81530-000

Dedicated E-mail: segufpr@gmail.com

Website: https://linktr.ee/segufpr

Logo: \_\_\_\_\_

Facebook: UFPR SEG Student Chapter (https://www.facebook.com/segufpr/?locale=pt\_BR)

Twitter: X

Instagram: @segufpr

LinkedIn: UFPR SEG student chapter (https://br.linkedin.com/in/segufpr)

YouTube: https://www.youtube.com/c/UFPRSEGStudentChapter?app=desktop

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: Amanda Rompava Lourenço amandarompava@hotmail.com  
Name E-mail

VicePresident: Gabrielly dos Santos Chagas gaby2chagasfred@gmail.com  
Name E-mail

Secretary: Leonardo Bressan Bora leonardobb49@gmail.com  
Name E-mail

Treasurer: Carolina Cristine Dallagassa carol\_dallagassa@hotmail.com  
Name E-mail

Chapter Academic Sponsor:  Check if SEG Fellowship in good standing

João Carlos Biondi biondiufpr@gmail.com  
Name E-mail

Av. Cel. Francisco H. dos Santos, 100 - Jardim das Américas, Curitiba - PR, 81530-000  
Address Phone

\_\_\_\_\_  
Address Fax

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

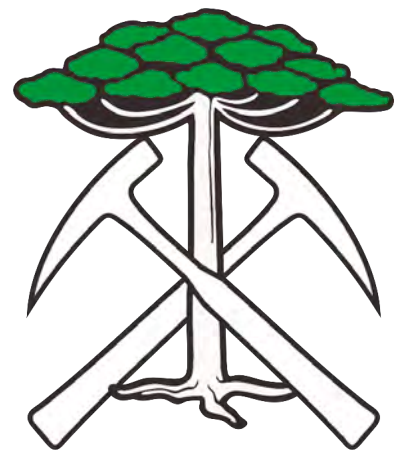
Francisco I. de Azevedo Jr. chicoazevedo11@gmail.com  
Name E-mail

Rua Perobas, 157, Valinhos - Brasil CEP:13272-562  
Address Phone

\_\_\_\_\_  
Address Fax

Sponsoring Institution or Company(name): \_\_\_\_\_

**2023 Annual Report**  
**Universidade Federal do Paraná**  
**Society of Economic Geologists**  
**Student Chapter**



**UFPR SEG**  
Student Chapter

## **Summary**

<b>Message from the 2023 President</b>	<b>1</b>
<b>2023 UFPR SEG Student Chapter Members</b>	<b>1</b>
Meetings	2
<b>2022/2023 Projects/Activities</b>	<b>2</b>
III Economic Geology Meeting	2
Workshop with the Forensic Studies Student Chapter	3
New committee	4
Sale of stickers at SEGEPAR	4
Chapter presentation for new course students	5
Lectures on the deposits visited on the field trip	5
Field Trips 2022	6
Leapfrog course	7
Submission of abstracts at the V Brazilian Metallogeny Symposium	8
Creating a newsletter	8
Selection Processes	9
Future Projects	10
Final considerations	10

## **Message from the 2023 President**

Despite the adversities of carrying out extracurricular activities, on behalf of SEG UFPR Student Chapter, we're grateful for everything we managed to accomplish during these months of 2023. There were meetings with other professionals, field activities in regions not yet explored by the group and extension activities within the university.

We thank SEG for the encouragement, support and opportunity to take SEG UFPR Student Chapter forward within the course and bring more and more activity and engagement to university students, enabling access and deepening studies in metallogeny.

We are excited about the next activities to be completed, and full of energy to introduce new project ideas. I also thank the work of all the students who contributed in some way by participating in the execution and engagement. Without your enthusiasm, our work would be nothing!

Amanda Rompava Lourenço  
UFPR SEG Student Chapter President

## 2023 UFPR SEG Student Chapter Members

Last Name	First Name	E-mail	SEG Membership Expiry Date	Expected graduation year
Rompava	Amanda	amandarompava@gmail.com	03/2024	2023
Chagas	Gabrielly	gaby2chagasfred@gmail.com	03/2024	2025
Bora	Leonardo	leonardobb49@gmail.com	03/2024	2025
Dallagasa	Carolina	carol_dallagassa@hotmail.com	03/2024	2023
Pinto	Celeste	celestebertassonip@gmail.com	-	2023
Jash	Sergio	sergioh.jash@gmail.com	-	2025
Costa	Gustavo	gucosta01777@gmail.com	-	2025
Lima	Pedro	pedrolima2000@gmail.com	-	2024
Magnani	Agda	marinaagda@gmail.com	-	2024
Lada	Giuliane	gui.lada@hotmail.com	-	2024
Domanski	Tarciane	tarcianedomanski@gmail.com	-	2027
Nascimento	Dielly	diellynascimento@hotmail.com	-	2027
Rodizes	Angela	angelarodizes@gmail.com	-	Post-grad
Lemes	Nathalia		-	2023
Pereira	Laura	lauragodoy@ufpr.br	-	2027
Seyfried	Pedro	pedroseyfried@gmail.com	-	2027
Silva	Marcela	marcelaspessato@ufpr.br	-	2027
Mulbauer	Hevelyn	lynn.mlbr@gmail.com	-	2027
Cavalheiro	Liza	lizamohana@hotmail.com	-	2025

P.S.: “-” means that the student is not yet an official member of SEG, being only considered a volunteer in the group.

## **Meetings**

The Student Chapter's meetings take place every two weeks on Tuesdays through Google Meet, lasting on average an hour each. The Meetings are presided by the Chapter's President Amanda Rompava or by another member of the Executive Committee, in which set topics are discussed, voted on and later recorded in the minutes.

## **2022/2023 Projects/Activities**

### **III Economic Geology Meeting**

The III Encontro Nacional de Geologia Econômica (III ENAGE) took place from Dec. 1st to Dec. 4th 2022 in Ouro Preto, in the Brazilian state of Minas Gerais. The Student Chapter worked organizing the event, together with other SEG Chapters in Brazil, and also submitted and presented an abstract and banner titled "Serra Geral Group: Importance and Economic Potential". The former Chapter's President Mariana Castro and Secretary Gabrielly Chagas attended the event, the lectures and talks held therein and also the two field trips around the Quadrilátero Ferrífero and the Gandarela Syncline, acquiring valuable knowledge about the local ore deposit and regional geology.



**Figure 1:** Clockwise from top left: Field trip in the Serra da Moeda, MG; Group photo showing the event attendees and personnel; Talk held at the III ENAGE; Gabrielly Chagas (left) and Marianna Castro (right) presenting the SEG UFPR banner about the Serra Geral Group;

## **Workshop with the Forensic Studies Student Chapter**

In January 2023, the SEG Student Chapter organized together with the Initiative on Forensic Geology (IFG) a workshop on the subject “Illegal mining in the State of Paraná”, which was held in the UFPR Campus and was open to the university public. The event hosted three talks titled “ The Polícia Federal and their actions against illegal mining in the Curitiba Metropolitan Area”, “Do people from Paraná know their diamonds?”, “Geoforensics and Geoconservation: challenges in mining”, a general discussion roundtable and a coffee break. Additionally, geology books were given away to the audience.



Figure 2: Lecturers and organizers of the event in the Universidade Federal do Paraná.

## New committee

In March 2023 a new committee was formed, with Amanda Rompava as president, Gabrielly Chagas as vice-president, Leonardo Bressan as secretary, Carolina Dallagassa as treasurer and Gustavo Costa as media representative.



Figure 3: Instagram post showcasing the new committee members: Amanda Rompava, Gabrielly Chagas, Carolina Dallagassa, Leonardo Bressan e Gustavo Costa.

## Sale of stickers at SEGEPAR

During the Paraná Geologic Studies Week (SEGEPAR), which lasted from April 17th to 21st 2023, the Student Chapter sold geology themed stickers, with a greater-than-expected demand among both students and teachers who attended the



event, as such, more stickers were produced during the week. The main purpose of the sale was to raise money for the field trip.



Figure 4: Media representative Gustavo Costa selling stickers during SEGEPAR.

## Chapter presentation for new course students

With the enrollment of new graduation students, the Student Chapter did a brief presentation about the Society of Economic Geologists, its Student Chapters, the activities which were being developed and how to take part. Shortly after the presentation, a new selection process was opened for the entry of new volunteer members.

## Lectures on the deposits visited on the field trip

In June and July the Chapter did a series of activities about nearby sites of economic interest: the Fluorite Mato Preto deposit, PR; the Serpentinite Mine and Ultramafic Pien Complex, PR; a clay mine near Campo Alegre, SC; and the phosphate mine in the Cajati Alkali-carbonate Complex, SP. The Chapter members were divided in doubles, where each team compiled and presented to the rest of the group what is

known about the geologic setting and specific information about one of the aforementioned sites. The presentations were held in-person and online through Google Meet.



**Figure 5:** Presentation about local sites of interest.

## Field Trips 2022

The first field trip headed to the Nossa Senhora do Carmo fluorite mine deposit on April 27th, in Cerro Azul, Paraná. The goal was to comprehend the deposit's genetic model through in situ observation and previous knowledge attained and also understand the exploitation processes. Ten students took part along with two Economic Geology Professors from the Geology Department at UFPR: Ph.D. João Carlos Biondi and Ph.D. Ariadne Borgo, who offered valuable insight during this and on the following excursions.

The second field trip, on April 28th, took eight students and Prof. Ph.D. J. C. Biondi to the serpentinite mine in the Ultramafic Pien Complex, in Pien, Paraná, with an additional stop at a clay mine in Campo Alegre, Santa Catarina.

On May 12th, six students and both of the aforementioned Professors visited the Mosaic Fertilizantes mining facility in Cajati, São Paulo, completing this series of field trips.



**Figure 6:** Clockwise from top left: Students and Prof. Biondi at Mosaic Fertilizantes; Students and Professors in Nossa Senhora do Carmo Mine; Students, Prof. Biondi and a guide in a mining pit in Piên, Paraná.

## Leapfrog course

The Students Associates Program is a partnership between SEEQUENT and the Brazilian SEG Student Chapters that promotes the use and ease of access of the 3D modeling software Leapfrog in Geology graduate courses. Gabrielly Chagas and Leonardo Bressan were trained in the use of the software in April and May, and as such, tutored between 4th and 6th of September 2023 a 9 hour course on using it. The in-person course was attended by 6 graduate students, each of which had

access to a computer and a temporary Leapfrog license with a dataset example, which was worked into a geologic 3D model during the course.



Figure 7: Tutors and attendees of the course.

### **Submission of abstracts at the V Brazilian Metallogeny Symposium**

The Chapter members penned and submitted two abstracts to be presented in the V Brazilian Metallogeny Symposium, to be held from October 1st to 4th 2023 in Gramado, Rio Grande do Sul. The abstracts are titled “Rare Earth Elements: National setting and future exploration and processing trends”, “Characterization of the agroecological potential from the type 4 magmas from the Serra Geral Group in Paraná”. Student Chapter members will attend the event and present their work.

### **Creating a newsletter**

In August, the Student Chapter published its first Newsletter, a short infographic titled “Everything you need to know about Critical Minerals”. It was posted on LinkedIn and hung on boards around campus for it to be read by passersby. The Chapter aims to produce such resource on a wide array of Economic Geology topics and provide it both online and in paper form.



Figura 8: Newsletter hung on Universidade Federal do Paraná.

## Selection Processes

This year the SEG UFPR Student Chapter organized two selection processes to accept new members. Notice 2023/1 was open from March 21st until March 27th and included the entry of 11 volunteer members and notice 2023/2 was open from August 7th until August 18th and included the entry of 13 volunteer members.



Figure 9: Instagram post advertising the selection process 2023/1.



Figure 10: Instagram post advertising the selection process 2023/2.

## Future Projects

A long field trip is planned to take place from 12/10/2023 to 12/16/1023 in order to visit five mining facilities/deposits in the state of Minas Gerais. The trip will be during class leave so all members may go on it. 14 students and Prof. PhD Ariadne Borgo will participate.

On this field trip we will be leaving the city of Curitiba in the state of Paraná and going to Araxá in the state of Minas Gerais, where we will visit the CBMM mine, which will be our first stop. Our second point will be in the city of Vazante (Minas Gerais) where we will visit the Nexa mine, our third point will be the city of Paracatu (Minas Gerais) where we will visit the Kinross mine and from there we will go to Belo Horizonte (Minas Gerais). Afterwards we will go to the city of Itabirito (Minas Gerais) to visit the Pico do Vale mine, and from there we will leave for Ouro Preto (Minas Gerais) to visit the museum of the Federal University of Ouro Preto (Ufop), this being our last stop, because after there we will return to Curitiba.

## Final considerations

SEG UFPR is grateful for all the support provided to us during this past year and we are happy to increasingly spread knowledge about economic geology at our university.