



SOCIETY OF ECONOMIC GEOLOGISTS, INC.

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Student Chapter Annual Report Cover Page

Submission Deadline: September 30th

Submit to: studentprograms@segweb.org

Month/Year Reported: From JANUARY 2022 (mm/yyyy) – To NOVEMBER 2022 (mm/yyyy)

STUDENT CHAPTER:

Check if update needed at segweb.org

Name: SEG Student Chapter Universidad Nacional Del Altiplano (UNAP)

University Affiliation: UNIVERSIDAD NACIONAL DEL ALTIPLANO - PUNO

Mailing Address: _____

Dedicated E-mail: segunapstudent@gmail.com

Website: _____

Logo: _____

Facebook: https://www.facebook.com/seg.una.puno.student.chapter

Twitter: _____

Instagram: https://www.instagram.com/seg_student_chapter_unap/

LinkedIn: _____

YouTube: https://www.youtube.com/@segstudentchapterunapuno5240

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: Jheyson Edder Ramírez Aguirre jramireza@est.unap.edu.pe
Name E-mail

VicePresident: Alex David Lupaca Huanacuni david.geomin@gmail.com
Name E-mail

Secretary: Lesly Tatiana Aroni Surco leslytatianaaronisurco@gmail.com
Name E-mail

Treasurer: Jackeline Kelly Alarcon Mamani kalarconmamani@gmail.com
Name E-mail

Chapter Academic Sponsor: Check if SEG Fellowship in good standing

ROBERTO FLORENTINO ZEGARRA PONCE robertozegarra77@gmail.com +51 950 747 602
Name E-mail Phone

Address _____ Fax _____

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

JOHNNY VARGAS MIRANDA Johnnyvrgs@gmail.com +51 997 661 545
Name E-mail Phone

Address _____ Fax _____

Sponsoring Institution or Company(name): Newmont



ALTIPLANO NATIONAL UNIVERSITY – PUNO
FACULTY OF GEOLOGICAL
AND METALLURGICAL ENGINEERING
PROFESSIONAL SCHOOL OF GEOLOGICAL
ENGINEERING



ANNUAL REPORT
SEG UNA-Puno
2022



STUDENT CHAPTER EXECUTIVE COMMITTEE 2021

STUDENT CHAPTER EXECUTIVE COMMITTEE 2022		
N°	NAMES AND SURNAMES	POSITION
1	JHEYSON EDDER RAMÍREZ AGUIRRE	PRESIDENTE
2	LUPACA HUANACUNI ALEX DAVID	VICE PRESIDENT
3	JACKELINE KELLY ALARCON MAMANI	TREASURER
4	LESLY TATIANA ARONI SURCO	SECRETARY
5	JOHN FRANZ CALDERON PAXI	VOCAL
6	EVELIN YOISSY ESPINOZA MAMANI	VOCAL

LIST OF SEG STUDENT CHAPTER UNA-PUNO MEMBERS 2022

N°	NOMBRE	APELLIDOS
1	Gustavo Salomón	Sinca Condori
2	Yuliet Pamela	Pinto Luque
3	Jurguen Giancarlo	Miranda Idme
4	Edu	Illanes Soncco
5	Miguel Angel	Flores Choque
6	Roy Aquiles	Vilca Rojas
7	Yerson Joel	Tacca Zamata
8	Roberto	Mamani Mayta
9	Larry	Mamani Linares
10	Maricela Natividad	Pacompia Mamani
11	Edwar	Alejo Calisaya
12	Jhon Clinton	León Mamani
13	Victor	Huaracha Ccarcosto
14	Cristian Alvaro	Coaquira Apaza
15	Analy Mariana	Aguilar Meneses

STUDENT CHAPTER ACADEMIC SPONSOR 2022
--

Ing. Roberto F. Zegarra Ponce

robertozegarrap@yahoo.es
--

Cell: +51 950747602

STUDENT CHAPTER INDUSTRY SPONSOR 2022
--

Ing. Johnny Vargas Miranda

johnny.vargas@newmont.com
--

Cell: +51 997661545

ORGANIZATION OF ACTIVITIES.

Throughout the year, different activities were organized by the SEG Student Chapter UNA, Puno. They are going to be presented by dates.

The activities were developed with the objective of increase the geology knowledge and skills of the members of SEG Student Chapter and geology community.

Covid-19.

Due to the global situation, there has been a frequent monitoring of participants and exhibitors, maintaining the biosafety and keep the protocols to avoid any infection in the case of Peru.

All this to keep the activities with safety, security and the integrity of members the SEG Student Chapter UNA, Puno.

1. OPENING 2022 AND PRESENTATION OF THE CHAPTER EXECUTIVE COMMITTEE.

The opening of the chapter's for the year 2022 was announced the participation of the Engineer Raul Montesinos and the MSc. Engineer Jhonny Vargas, who made a presentation, for students, graduates and members of the Chapter: the main topic: "The Role of the Geologist in Exploration".

Theme: OPENING 2022 AND PRESENTATION

- Date: January 29th 2022
- Virtual platform: Google Meet
- Participants: 48

Special Speakers:

Johnny B. Vargas Miranda.

Geologist from Puno, he studied at the Universidad Nacional del Antiplano in Puno and has a Master's degree in Geology from the Universidad Nacional Mayor de San Marcos in Lima, Peru and Specialization Courses with Phoebe Hauff of Spectrall International Inc. AUSPECC and CSIRO (USA and Australia).

He is a specialist in spectral geology. Determination of mineralogy and interpretation of hydrothermal systems using portable and stationary equipment such as Pima-ASD, specTERRA. TerraSpec, Halo TS, TerraCORE, CoreScan with 25 years of experience working in exploration of high sulfidation, intermediate and low sulfidation mineral deposits, Porphyry Copper-Gold, Cordilleran Deposits, Au Skarns, Sediment-Hosted and Orogenic Systems.

He is currently an industry sponsor, and collaborates directly with the SEG Student Chapter UNAP.

Raul Montesinos.

Geologist with 6 years of experience in mineral exploration in different metallogenic belts of the central Andes, especially epithermal, porphyry, skarn and orogenic deposits, leading exploration programs from generative stage to drilling. He was also part of the founding team of the SEG Student Chapter UNAP to which he continues to give support especially to the research teams sponsored by the Society of Economic Geologists.

He currently collaborates directly with the SEG Student Chapter UNAP.

N°1



NATIONAL UNIVERSITY OF THE ALTIPLANO
SEG STUDENT CHAPTER
UNA - PUNO



OPENING 2022!

SEG Student Chapter UNAP invites you to participate in the presentation of the new executive committee 2022



DATE:

Saturday
January 29.
at 6.30 pm

PROGRAM:

- Presentation of the new executive committee 2022.
- Farewell to the executive committee 2021
- Special presentations.



Participate and win scholarships.



SEG. Student Chapter UNA-Puno



SEG. Student Chapter UNAP



SEG. Student.Chapter UNAP

2. ARCGIS APPLIED TO EXPLORATION COURSE BASIC TO INTERMEDIATE LEVEL BY IVÁN BENAVIDES.

In this short course was learned how to create geology maps, geochemical maps, geology profiles, geomorphology, legends, and interpretation of data. This course was an initiative of the students of the chapter, and the skills focused on economic geology.

- Date: January 24 to 29 2022
- Virtual platform: zoom
- Participants: 48

Nº2



SEG STUDENT CHAPTER
UNA - PUNO

ArcGIS



*Applied to scanning
(Basic level to intermediate)*



DATE:
JANUARY 24 to 29.

PLATAFORM



zoom

SCHEDULE

from 3.00 until 5.00 om.



INSTRUCTOR:



Bach: IVÁN BENAVIDES.

Bachelor in geology from the Universidad Nacional del Altiplano with experience in GIS, with knowledge in different softwares (Minesight, Target for ArcGIS, AutoCAD, Slide, Dips, Leapfrog) in different types of work as in INGEMMET area of geological risks, in explorations and mining plan, as well as the interpretation of geological sections and geological modeling of short and long term.



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SEG STUDENT CHAPTER
UNA PUNO

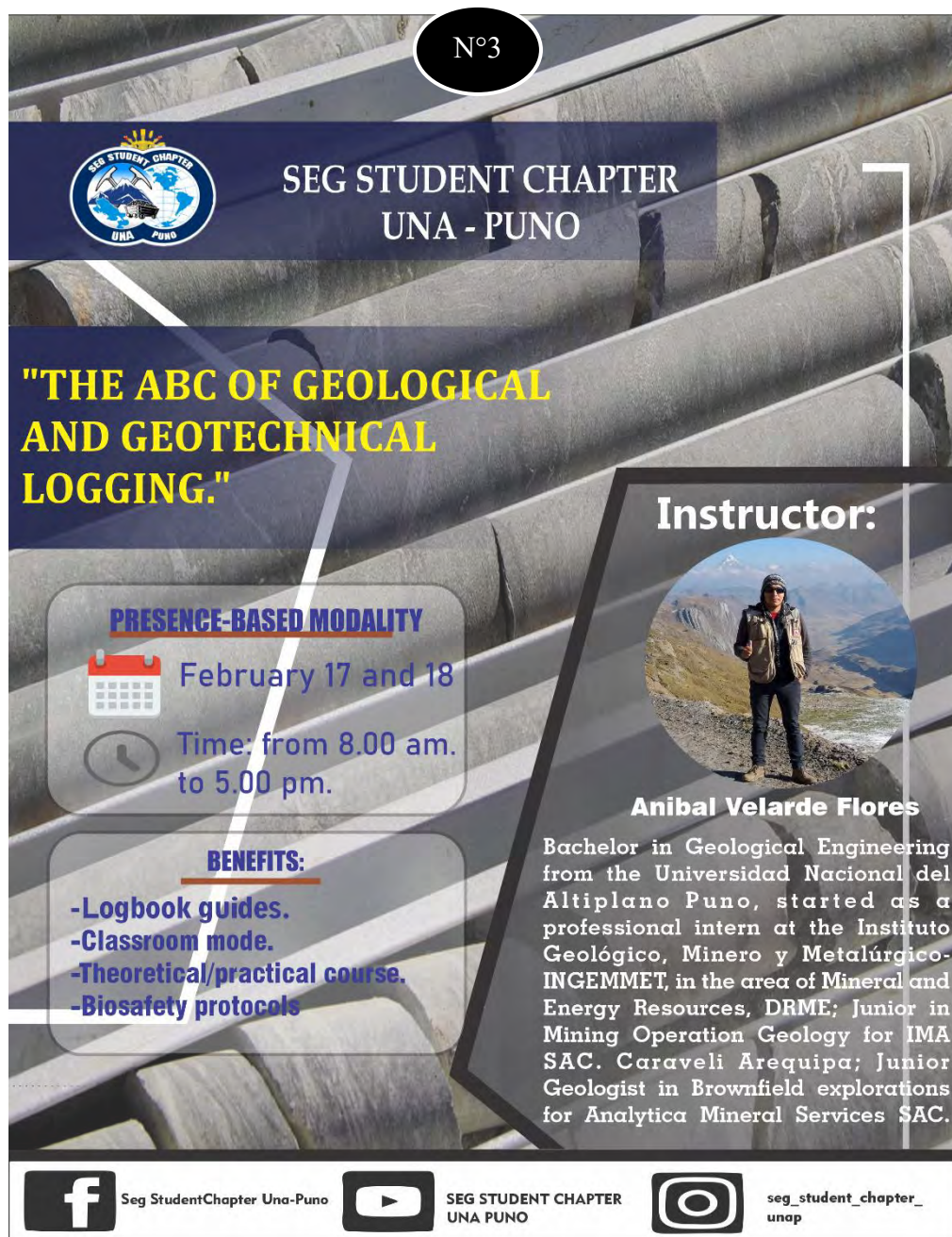


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unap


3. SHORT COURSE ABOUT “THE ABC OF GEOLOGICAL AND GEOTECHNICAL LOGGING”.

The geological and geotechnical logging course was practical and interesting. In this course, we learned in depth about how the visual observation for rock type, alteration, texture, structure and other characteristics of the samples. Two days of the course conducted by Bachelor Anibal Velarde.

- Date: February 17 and 18, 2022
- Presence-based modality.
- Participants: 14





N°3

 **SEG STUDENT CHAPTER
UNA - PUNO**

**"THE ABC OF GEOLOGICAL
AND GEOTECHNICAL
LOGGING."**

PRESENCE-BASED MODALITY


 February 17 and 18

 Time: from 8.00 am.
to 5.00 pm.

BENEFITS:


- Logbook guides.
- Classroom mode.
- Theoretical/practical course.
- Biosafety protocols


Instructor:




Anibal Velarde Flores

Bachelor in Geological Engineering from the Universidad Nacional del Altiplano Puno, started as a professional intern at the Instituto Geológico, Minero y Metalúrgico-INGEMMET, in the area of Mineral and Energy Resources, DRME; Junior in Mining Operation Geology for IMA SAC. Caraveli Arequipa; Junior Geologist in Brownfield explorations for Analytica Mineral Services SAC.

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 SEG STUDENT CHAPTER
UNA PUNO

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4. VIRTUAL TALK “Alteration-forming minerals” and “Mineralization in skarn deposits”.

This virtual talk was held in February by Engineer Sebastian Mollapaza. This presentation dealt with the main concepts associated with Skarn deposits. Here we talked about the main minerals that are formed in this type of deposits, also explained about its importance in economic geology. This talk was done by zoom transmission and lasted approximately one hour.

- Theme: "Alteration-forming minerals" and "Mineralization in skarn deposits”.
- Date: February 26th 2022.
- Virtual platform: Zoom.
- Participants: 86

N°4



Society of Economic Geologists
SEG STUDENT CHAPTER UNAP



VIRTUAL TALK

TOPICS:

**“Alteration-forming minerals”
and
“Mineralization in skarn deposits.”**



**Ing. Sebastián A.
Mollapaza**

Approximately 27 years of varied experience in mineral exploration in the United States and international experience in both North America (Arizona, Nevada and New Mexico), and South America (Argentina, Colombia, Mexico and Peru).

ZOOM TRANSMISSION.




SATURDAY,
FEBRUARY 26, 2022



7.00 PM
PERÚ TIME



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SEG STUDENT CHAPTER
UNA PUNO



SEG_STUDENT_CHAPTER
UNA PUNO

5. ARCGIS APPLIED TO EXPLORATION COURSE BASIC TO INTERMEDIATE LEVEL BY IVÁN BENAVIDES.

The ARCGIS short course, was conducted by Bachelor Rolander Quispe. Creation of this course was aimed at students interested in learning software skills focused on economic geology.

- Date: March 1 to 8, 2022.
- Virtual platform: Zoom.
- Participants: 15

N°5

SEG STUDENT CHAPTER
UNA - PUNO


ArcGIS

(ArcGIS, SAS Planet, Global Mapper)



DATE:

From March 1st
to March 8th



PLATFORM



zoom

SCHEDULE:

9:00 a 11:00 pm.



INSTRUCTOR:



ROLANDER QUISPE
LLANQUE

Geologist graduated from the Universidad Nacional del Altiplano, with extensive experience in software management in the geological field, Geotechnical Evaluation in civil projects, Geophysical Prospecting. Currently project geologist in POYRY PERU SAC.

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6. VIRTUAL TALK “Rock-forming minerals in copper porphyries”.

This virtual talk was given by Ing. Sebastián Mollapaza for the entire Peruvian geological community interested in economic geology, especially for members of the SEG student chapter.

- Theme: "Rock-forming minerals in copper porphyries".
- Date: March 19th 2022.
- Virtual platform: Zoom.
- Participants: 110

N°6

 **Society of Economic Geologists**
SEG STUDENT CHAPTER UNAP 

VIRTUAL TALK

TOPIC:

“Rock-forming minerals in copper porphyries.”


Ing. Sebastián A. Mollapaza

Approximately 27 years of varied experience in mineral exploration in the United States and international experience in both North America (Arizona, Nevada and New Mexico), and South America (Argentina, Colombia, Mexico and Peru).

 **ZOOM TRANSMISSION.**

  **SATURDAY, MARCH 19, 2022**  **7.00 PM PERÚ TIME**

 **Seg StudentChapter Una-Puno**  **SEG STUDENT CHAPTER UNA PUNO**  **SEG_STUDENT_CHAPTER UNA PUNO**

7. COURSE WORKSHOP “Mineralogy and Petrology”.

The short course was developed to members. This practical course was developed to enrich the knowledge in mineralogy and petrology, for a better understanding of the deposits, which are very important for economic geology.

- Theme: " **Mineralogy and Petrology** ".
- Direction of: Adonai Pacompia; Jhoan Humpiri Chavez.
- Date: May 14, 2022.
- Presence-based modality
- Participants: 18

Nº7



The poster features a central image of a microscope. At the top, it displays the logos for the SEG Student Chapter UNA PUNO and the Society of Economic Geologists. The text 'COURSE-WORKSHOP' is in a grey box on the left, and 'PRESENCE-BASED MODALITY' is in a grey box on the right. The title 'MINERALOGY AND PETROLOGY' is in large yellow letters. The bottom section is divided into 'INFORMATION AND REGISTRATION' with a WhatsApp icon and the number '+51 986 737 127', and 'START' with a calendar icon and the date 'Saturday, May 14, 2022 9:00 am.'. The footer contains social media icons for Facebook, Instagram, and Email, along with their respective handles and the email address 'segunapstudent@gmail.com'.

Society of Economic Geologists
SEG STUDENT CHAPTER UNA PUNO

COURSE-WORKSHOP

PRESENCE-BASED MODALITY

MINERALOGY AND PETROLOGY

INFORMATION AND REGISTRATION

 **+51 986 737 127**

 **START**
Saturday, May 14, 2022
9:00 am.

 Seg Student Chapter Una-Puno  SEG_STUDENT_CHAPTER_UNA-PUNO  segunapstudent@gmail.com

8. FIELD TRIP: "Sampling and Recognition of alteration minerals – metallization" Face to face at Gavilan de Plata led By Bachelor Kelly Vidangos.

- Direction of: Kelly Vidangos Ponce.
- PLACE: LARAQUERI, Puno-Perú.
- Date: APRIL 16
- Participants: 14 participants.

Nº8

FIELD TRIP
LITHOLOGICAL RECOGNITION AND HYDROTHERMAL ALTERATIONS IN A SYSTEM
EPITHERMAL HIGH-SULFURIZATION

ORGANIZE

Instructor geologist Kelly Vidangos Ponce with experience 5 years of experience in geological exploration, sampling and safety.

Field trip to be held on Saturday 11 hour departure at 4 am return time 5 pm.

pagactsepid Refers to a high sulfidation epithermal system for

1. perform lithological recognition and alterations.
2. Use of geological equipment.
3. Data collection suitable for mapping.
4. Introduction to security.
5. Conventional sampling.

15 SPOTS

Reserve your space with Jheyson Ramirez Aguirre 986737127



9. INFORMATIVE TALK “A look at high-sulfidation epithermals.”

The presentation was held on June 7, 2022 at the Faculty of Geological Engineering where the engineer Raul Montesinos explained about high sulfidation epithermal to the students from STUDENT CHAPTER SEG-UNA- PUNO.



10. "Recognition and description of mineral deposit samples".

This was on June 7, 2022 at the School of Geological Engineering by engineer Raul Montesinos, hand samples from different deposits types were exposed, and was time to recognize minerals and discussion of each sample by physical properties.

- Direction of: Raul Montesinos Apaza.
- Place: mineralogy cabinet
- Date: June 7, 2022
- Participants: 18.

N°10



SEG STUDENT CHAPTER UNAP
PROJECT "LITHOTHECA OF MINERAL DEPOSITS"

"A SAMPLE CAN LEAD TO A DISCOVERY"

INSTRUCTOR:
RAUL MONTESINOS
Geologist with 6 years of experience in mining exploration in different belts metallogenics of the central Andes. He is currently leading the project "LITOTECA OF MINERAL DEPOSITS" and is pursuing his master's degree at Colorado School of Mines, The United States in relation to geology economic.

Limited seats!

RECOGNITION AND DESCRIPTION OF SAMPLES OF MINERAL DEPOSITS

7 June of the 2022
2:00 pm.

INFORM: 953402328

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 SEG STUDENT CHAPTER FIST
 seg student chapter unap

11. FIELD TRIP: "Lithological reconnaissance and hydrothermal alterations in a high-sulfidation epithermal system."

The purpose of this field trip was to recognize the hydrothermal alterations at the Rosales mine, a high sulfidation epithermal deposit. On June 11th. We have received the support of Bachelor Kelly Vidangos, member of the SEG STUDENT CHAPTER UNA- PUNO.

- Direction of: Kelly Vidangos Ponce.
- PLACE: LARAQUERI, Puno-Perú
- Date: June 11, 2022
- Participants: 18.



12. "Informative talk on SEG STUDENT CHAPTER UNA-PUNO" and "Call for new members SEG-UNA PUNO"

The talk took place on July 4, 2022 in a virtual way, by Jhoan Humpiri, former president of the SEG STUDENT CHAPTER –UNAP 2021, with the purpose of informing about the benefits of the SEG and also to teach how to use the SEG platform to the members of the SEG student chapter UNA-Puno.

The convocation process was carried out on July 4, 2022 where a knowledge test, a mineralogy test and a personal interview were taken, the process lasted a week and as a result there were fifteen new members.

N°11



NATIONAL UNIVERSITY ALTIPLANO - PUNO
PROFESSIONAL SCHOOL OF GEOLOGICAL ENGINEERING
SEG STUDENT CHAPTER UNA PUNO

We invite you to be part of this great student chapter.

CALL FOR SEG STUDENT CHAPTER UNAP 2022

Don't miss this opportunity.
 We're waiting for you!

BENEFITS	REQUIREMENTS
<ul style="list-style-type: none"> - Field trips and training. - Pre-professional internship support. - Technical visits. - Reinforcement in economic geology. - Lectures, courses, workshops. - Discounts, scholarships in courses and workshops. - Scholarship program. 	Have an interest in economic geology. Be a student of the Professional School of Geological Engineering UNAP.

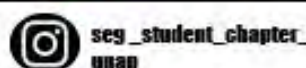
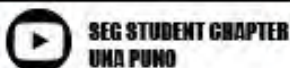
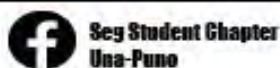
JULY 04
 8:00 pm. 2022

PLATFORM :  **GOOGLE MEET**

REPORTS:
 986737127

We invite you to participate in the presentation of the SEG Student Chapter UNAP where you will learn about the student chapter and application.

Pre-register by clicking on the link in the description.




13. FIELD TRIP: "Logging and sampling of blastholes"

This field trip was carried out in person by Bachelor Saúl Galindo Salas with the objective of introduction to the sampling and registration of boreholes in the field.

- Date: June 7, 2022
- Participants: 16.


N°12



**SEG STUDENT CHAPTER
UNA - PUNO**

**FIELD TRIP
"Logging and sampling of
blastholes"**

 June 2nd

 Time:
5.15 am.

-Debris logging in Blastholes.
-Blastholes sampling.
-Elaboration of plans and interpretation of sections.
Recognition of alteration minerals.
-Safety introduction..

Instructor:



Bach: Saul Galindo Salas

Currently Junior Exploration Geologist at A.M.S.
Geology Intern at Cujajone - Southern Peru Cooper Corporation.
Pre-professional Geology Intern at Yauricocha - Sierra Metals.



14. "Basic geochemical prospecting course"

It was held on September 3, 2022 directed by Bachelor Luis Alberto Tupa Coila with the purpose of introducing the basic geochemical prospecting from the use of ArcGIS software.

- Date: October 3, 2022.
- Presence-based modality
- Participants: 16

N°13




 Society of Economic Geologists
 SEG STUDENT CHAPTER UNAP
 PUNO-Peru

WORKSHOP

PROSPECTING COURSE BASIC GEOCHEMISTRY

MODALITY: FACE-TO-FACE

Materials: Laptop with Excel,
ArcMap and Minitab.

INSTRUCTOR:
Luis Alberto Tupa Coila

DATE AND TIME:
Saturday, September 3
from 2022
8:00 a.m. - 12:00 p.m.
2:00 p.m. - 5:00 p.m.

INFORM :




 +51 941 233 183
 +51 986 737 127

 Seg Student Chapter One-Puno
  segunapstudent@gmail.com





15. GEOLOGICAL MAPPING: DIGITIZING MAPS AND SECTIONS WITH ARCMAP AND ADOBE ILLUSTRATOR.

The talk was developed to support recently graduated members to apply for pre-professional internships.

- Theme: " **Geological mapping: digitizing maps and sections with arcmap and adobe illustrator**".
- Date: Sunday, September 4 and 11, 2022
- Modality: on-site and virtual.
- Participants: 8

N°14



Society of Economic Geologists
SEG STUDENT CHAPTER UNAP
PUNO-Peru

COURSE-WORKSHOP MODALITY: FACE-TO-FACE-VIRTUAL

GEOLOGICAL MAPPING: DIGITIZATION OF MAPS AND SECTIONS WITH ARCMAP AND ADOBE ILLUSTRATOR

FREE COURSE AIMED AT UNDERGRADUATE STUDENTS

CONTENT:

- Use of the GEOCATMIN platform.
- Field output and mapping.
- Use of the Avenza Maps application.
- Digitization of maps in ArcMap.
- Digitization of sections and improve geological maps with Adobe Illustrator.

ArcMap Adobe Illustrator
AVENZA MAPS

DATE AND TIMES:

EYEWITNESS	VIRTUAL
Sunday, September 4 and 11, 2022 p.m. Field trip (Puno)	Tuesday, 06/09/22: 8:00 - 10:00 Thursday 08/09/22: 8:00 - 10:00 p.m.

INSTRUCTOR:
Jhoan Christian Humpiri Chavez

INFORM :

+51 944 038 056

Seg Student Chapter One-Puno | segunapstudent@gmail.com

16. "GEOLOGICAL MAPPING AND CORRECT USE OF THE COMPASS".

The main goal was to make sure the use of the compass in geological mapping with sedimentary rocks (strike and dip), of the Vilquechico and Ayabacas formation, (Upper Cretaceous), as well as the correct use of the compass in the field. Bachelor Adonai Pacompia.

- Title: Adonai Pacompia.
- Date: September 17, 2022
- Participants: 9.



17. LECTURE SERIES IN COMMEMORATION OF THE WOODEN WEDDING ANNIVERSARY OF THE SEG SETUDENT CHAPTER UNAP.

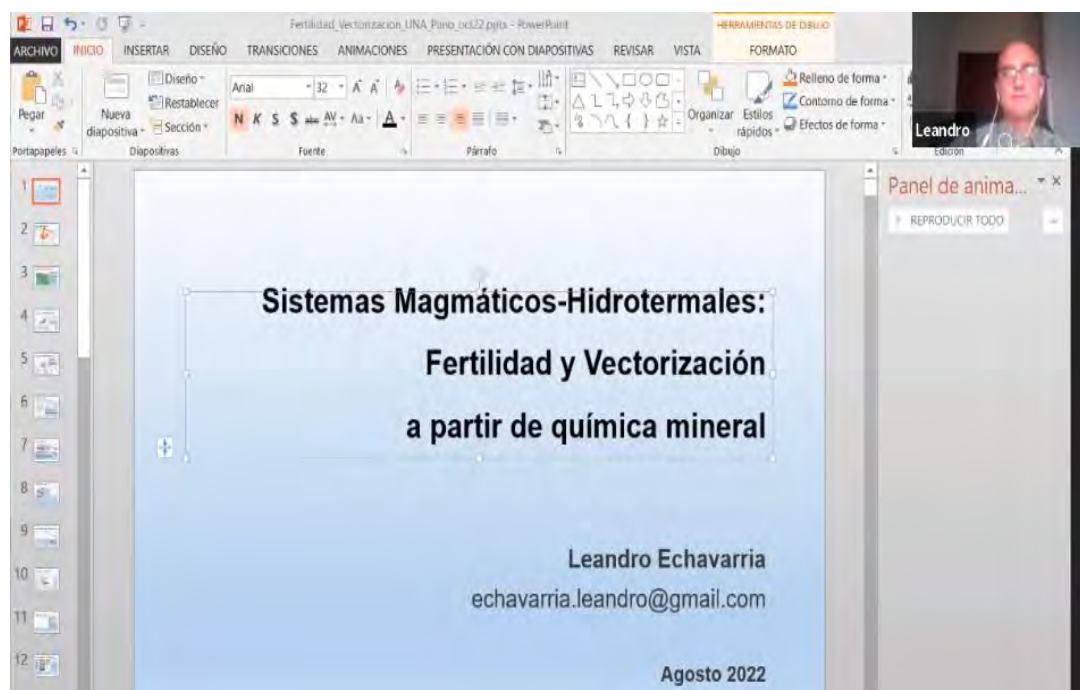
The lecture series in commemoration of SEG Student Chapter's anniversary was held with three internationally well-known engineers with experience in economic geology.

17.1. MAGMATIC-HYDROTHERMAL SYSTEMS. ORIGIN, EVOLUTION AND GUIDELINES FOR EXPLORATION BASED ON MINERAL COMPOSITIONS.

The speaker: Dr. Leandro Echevarria,

The first conference in commemoration of the anniversary, was led by Engineer Leandro E. Echavarría, with the theme "Magmatic-hydrothermal systems, origin, evolution and guidelines for exploration based on mineral composition", which allowed us to increase our understanding in relation to fertilizing magmas and mineralization from chemical of minerals, knowing the evolution of the petrology, and the subduction model.

- Date: October 6th at 10.00 am 2022
- Virtual platform: Zoom.
- Participants: 42

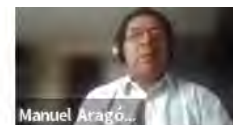


17.2. DEFINING EXPLORATION TARGETS WITH MULTIPLE DATA SOURCES. CASE STUDY

The speaker: Manuel Aragon Arreola.

The second conference in commemoration of the anniversary, was led by Engineer Manuel de J. Aragon - Arreola, with the theme "Defining exploration targets with multiple data sources case study", a discussion was held about exploration targets, what we need and how we define a way to explore a deposit, considering the geological, physical and geochemical data, and the definition of the target.

- Date: October 6th at 11.00 am 2022
- Virtual platform: Zoom.
- Participants: 47



DEFINIENDO BLANCOS DE EXPLORACIÓN CON DATOS DE MÚLTIPLES FUENTES CASO DE ESTUDIO

¿Qué datos entregan más valor?

¿Cuál es la relación costo/beneficio de cada tipo de datos?

Aniversario del SEG Student Chapter
Universidad Nacional del Altiplano, Puno, Perú
Octubre 6, 2022

Manuel Aragón Arreola
Gerente de proyectos de exploración
E-mail: manuel.aragon@agnicoeagle.com

zoom

17.3. MINERAL DEPOSITS RELATED TO INTRUSIONS PETROGENESIS AND TECTONICS

The speaker: Dr. Benito Noguez Alcantara.

The third conference in commemoration of the anniversary, was led by Engineer Benito Noguez Alcantara, with the theme "Mineral deposits related to intrusions - petrogenesis and tectonics", which aims to differentiate the models of deposits that are related to intrusions; tectonics trans lithospheric structures, magmatism, metallogenesis, magmatism and characteristics of the different types of deposits.

- Date: October 28th 2022.
- Virtual platform: Zoom.
- Participants: 52



BALAJARTE MINERO

UNIVERSIDAD NACIONAL DEL ALTIPLANO PUNO

EDICIÓN 2022

SEG STUDENT CHAPTER UNA PUNO

YACIMIENTOS MINERALES RELACIONADOS A INTRUSIONES PETROGÉNESIS Y TECTÓNICA

Conferencia Virtual Octubre 2022

Por: Dr. Benito Noguez A
Benito_Noguez@penoles.com.mx

destructive constructive destructive constructive

zoom

YACIMIENTOS RELACIONADOS A INTRUSIONES

IOCG Y ALCALINOS TIPOLOGÍAS, MODELOS

AMBIENTE, PROFUNDIDAD, NIVELES DE EROSIÓN

zoom

Benito Noguez A

N°15



Society of Economic Geologists
SEG STUDENT CHAPTER UNAP
PUNO-PERU



VIRTUAL CONFERENCES IN COMMEMORATION OF THE SEG STUDENT CHAPTER-UNAP WOODEN WEDDINGS

SPEAKERS

LEANDRO E. ECHAVARRIA
MAGMATIC-HYDROTHERMAL SYSTEMS.
ORIGIN, EVOLUTION AND EXPLORATION
GUIDELINES BASED ON MINERAL
COMPOSITIONS.

① 10:00 AM - 11:00 AM

MANUEL DE J ARAGON-ARREOLA
DEFINING EXPLORATION TARGETS
WITH MULTIPLE DATA SOURCES - CASE
STUDY

② 11:00 AM - 12:00 PM

BENITO NOGUEZ ALCANTARA
INTRUSION-RELATED MINERAL
DEPOSITS - PETROGENESIS AND
TECTONICS

③ 4:00 PM - 5:00 PM

TRANSMISSION BY



DATE

THURSDAY, OCTOBER
6TH

[HTTPS://US06WFB.ZOOM.US/J/85379745530?](https://us06wfb.zoom.us/j/85379745530?pwd=YXBSD1hNEVkrZWPjY1GWMVDPTk5YQ109)
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Seg Student Chapter Una Puno



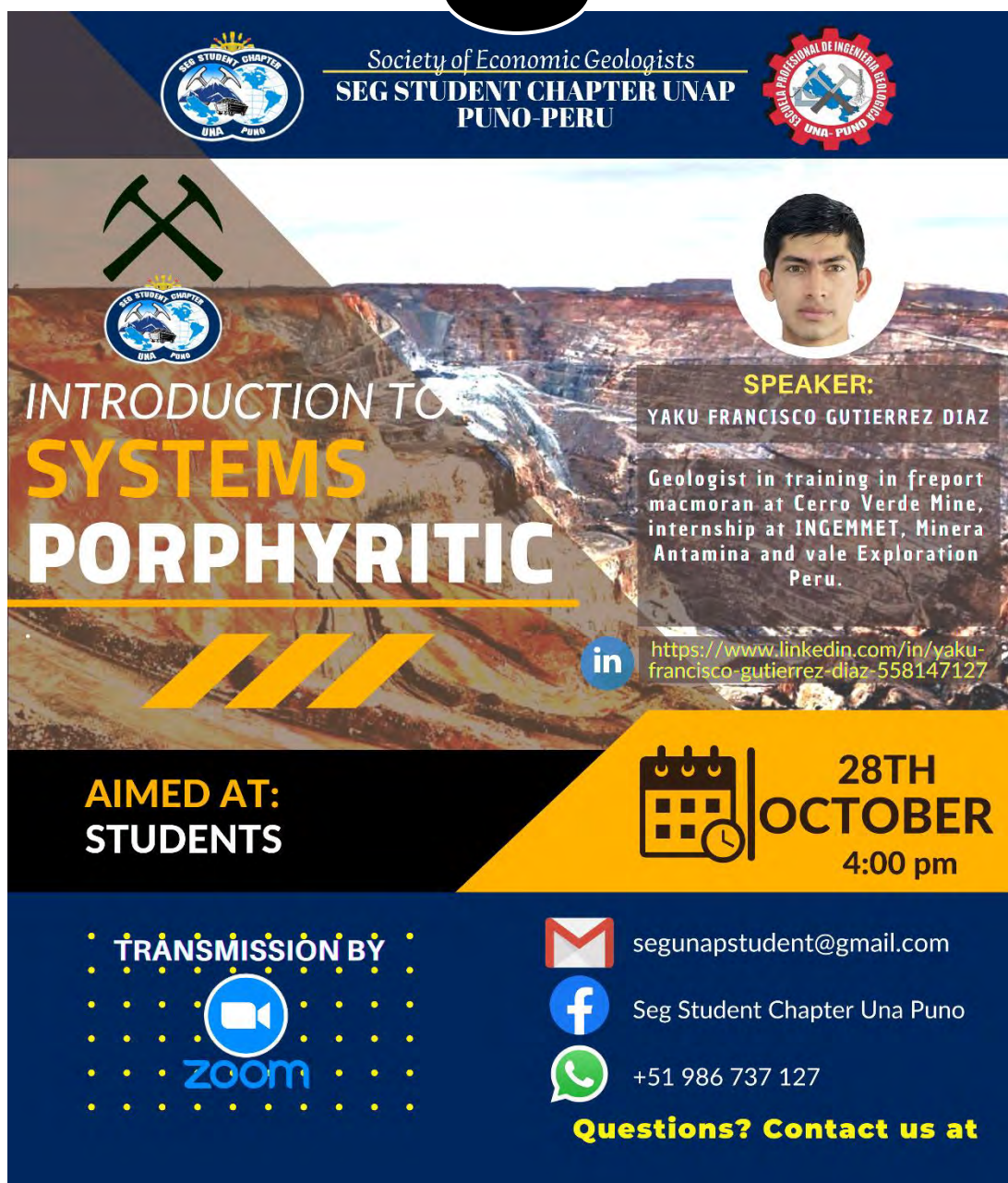
segunapstudent@gmail.com

18. VIRTUAL TALK BY YAKU FRANCISCO GUTIERREZ DIAZ.

The virtual talk was given by YAKU FRANCISCO GUTIERREZ DIAZ about "Porphyritic systems" aimed at students interested in economic geology.

- Theme: " Porphyritic systems " .
- Date: October 28th 2022.
- Virtual platform: Zoom.
- Participants: 37

N°16



Society of Economic Geologists
SEG STUDENT CHAPTER UNAP
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COLEGIO PROFESIONAL DE INGENIERIA GEOLOGICA
UNA-PUNO

INTRODUCTION TO
SYSTEMS
PORPHYRITIC

SPEAKER:
YAKU FRANCISCO GUTIERREZ DIAZ

Geologist in training in freport macmoran at Cerro Verde Mine, internship at INGEMMET, Minera Antamina and vale Exploration Peru.

<https://www.linkedin.com/in/yaku-francisco-gutierrez-diaz-558147127>

AIMED AT:
STUDENTS

28TH
OCTOBER
4:00 pm

TRANSMISSION BY
zoom

segunapstudent@gmail.com

Seg Student Chapter Una Puno

+51 986 737 127

Questions? Contact us at

19. VIRTUAL TALK BY FRANK K. GARCIA YARETA.

The discussion about the application for pre-professional internships, helped several of the students and members of SEG STUDENT CHAPTER UNAP to participate and have the opportunity and the experience, with the advice, suggestions and guidelines from engineer *Frank Garcia*, who allowed us to take the exam for the BUENAVENTURA company; and possibility to be involved in the next process. The undergraduate student needs to be prepared for the future, at the end our studies at the university.

- Theme: " VOCATIONAL ORIENTATION CONVERSATION ".
- Date: November 28th 2022.
- Virtual platform: Zoom
- Participants: 32

N°17



November
28 2022
5:00 P.m.

Aimed at all SEG UNAP undergraduate student members, since they will be able to interact directly with the engineer who is working in the mining world.



INSTRUCTOR:
FRANK K. GARCIA YARETA

Transmission Via:



Virtual mode



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20. VIRTUAL TALK ABOUT START OF PROFESSIONAL CAREER.

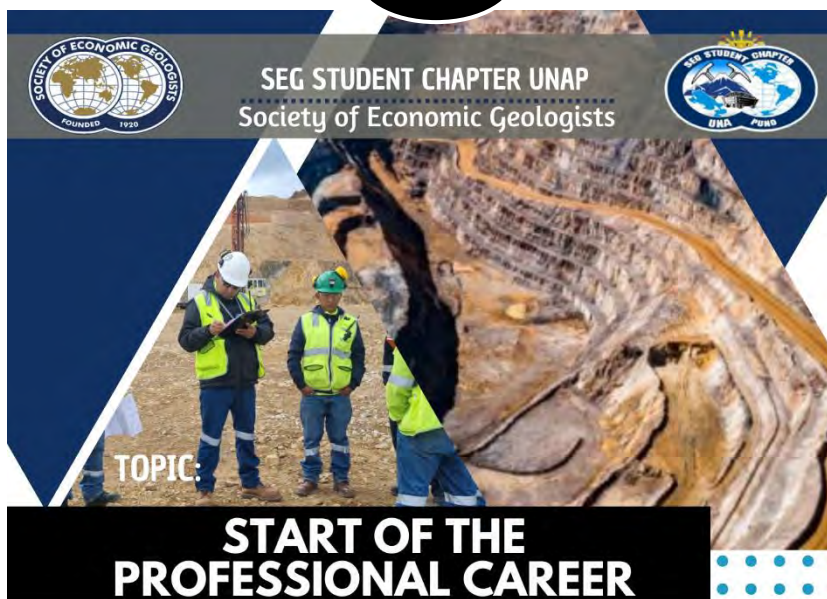
The talk was developed to help newly graduated members start their professional careers, and take advantage of their skills for job interviews.

The speakers:

- ✓ JULIO E. PEREZ FLORES
- ✓ SAUL ARIAS
- ✓ FREDDY MALDONADO
- ✓ ISABELLE ASTO

- Theme: " START OF PROFESSIONAL CAREER".
- Date: November 29th 2022.
- Virtual platform: Zoom
- Participants: 46

N°18



November
29 2022
8:00 P.m.

Aimed at all SEG UNAP undergraduate student members, since they will be able to interact directly with the engineer who is working in the mining world.



INSTRUCTORS:

JULIO E. PEREZ FLORES
SAUL ARIAS
FREDDY MALDONADO
ISABELLE ASTO

Transmission Via:



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