Student Chapter Annual Report Cover Page

Submission Deadline: September 30th
Submit to: studentprograms@segweb.org

Month/Year Reported: From ___________________________(mm/yyyy) – To _______________________________(mm/yyyy)

STUDENT CHAPTER:

Name: SEG PUCP-UNSAAC Joint Student Chapter

University Affiliation: PUCP-UNSAAC

Mailing Address: 1801 Universitaria Avenue, LIMA-PERU

Dedicated E-mail: segpucpunsaac2018@gmail.com

Website:

Logo:

Facebook: http://www.facebook.com/segpucpunsaacsc/

Twitter:

Instagram:

LinkedIn:

YouTube:

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: Jimena Patricia Rosell Guevara  rosellguevaraj@gmail.com

Vice President: Raquel Chang Mayuri  raquel.chang@pucp.pe

Secretary: Dianet Nery Carazas Huaillino  dianet7594@gmail.com

Treasurer: Martha B. Berna Runiche  b.berna@pucp.pe

Chapter Academic Sponsor: Dr. Silvia Rosas Lizárraga  brosas@pucp.edu.pe

Chapter Industry Sponsor (not affiliated with the student chapter’s institution): Dr. Wolfgang E. Morche  wmorche@hotmail.com

Sponsoring Institution or Company(name):
SEG PUCP-UNSAAC Joint Student Chapter 2018-2019 Annual Report

An overview of the activities of SEG PUCP-UNSAAC Joint Student Chapter

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September 2019
SEG PUCP-UNSAAC JOINT STUDENT CHAPTER

STUDENT CHAPTER ANNUAL REPORT 2018-2019

- Year reported: October 2018 – October 2019
- Student Chapter Name: SEG PUCP-UNSAAC JOINT STUDENT CHAPTER
- Website: http://www.facebook.com/segpucpunsaacsc/
- Student Chapter Executive Committee 2018-2019
  ✓ President : Jimena Patricia Rosell Guevara
  ✓ Vice President : Raquel Sue Chang Mayuri
  ✓ Secretary : Dianet N. Emperatriz Carazas Huaillino
  ✓ Treasurer : Brigitte Berna Rumiche
- Student Chapter Academic Advisor:
  Dr. Silvia Rosas Lizárraga  brosas@pucp.edu.pe
- Student Chapter Industry Advisor
  Dr. Wolfgang E. Morche  wmorche@hotmail.com
- Elected Executive Committee for 2019
  ✓ President: Alvaro Espinoza Otayza
  ✓ Vice President: Benjamin Cutipa Jancco
  ✓ Secretary: Edinsson Ramos Espinoza
  ✓ Treasurer: Edwin Mamani Choquetaipe
- Student Chapter Academic Advisor 2018-2019
  Dr. Silvia Rosas Lizárraga  brosas@pucp.edu.pe
- Student Chapter Industry Advisor 2018-2019
  Dr. Wolfgang E. Morche  wmorche@hotmail.com
- SEG Student Chapter Members
  ✓ Culquí Puerta, Johann P. (*)
  ✓ Castro Morante, Angela D. (*)
  ✓ Pozo Mercado, Julissa W. (*)
  ✓ Rosell Guevara, Jimena(*)
  ✓ Berna Rumiche, Brigitte(*)
  ✓ Montalvo Ccanchi, Jhon R. (*)
  ✓ Chang Mayuri, Raquel (*)
  ✓ Espinoza Otayza, Alvaro (*)
  ✓ Carazas Huaillino, Dianet(*)
  ✓ Ramos Espinoza, Edinsson (*)
  ✓ Soto Moreano, Rodrigo (*)
  ✓ Stipetich Santillán, Silvana(*)
  ✓ Olivera Torres, Valeria (*)
  ✓ Cutipa Jancco Benjamin(*)

*SEG Students Members.
1. **SEG CHAPTER MEETINGS**

The SEG PUCP-UNSAAC Joint Student Chapter Meetings are carried out once a week, where different types of plans are discussed, such as conferences, field trips, short courses, and future activities. Several general and specific topics of Geology are debated as well, for better understanding and learning.

*Figure 1: Members of the SC. SEG UNSAAC*

*Figure 2: Discussion at proExplo 2019 Conference of SEG Student Chapter with AEIGEO (Geological engineering students association) with the main objective of planning an improvement on the event logistics at the future activities prepared for PUCP students.*
II. INTERNATIONAL MEETINGS

The joint meetings between other countries SEG Student Chapters have been held with the University of British Columbia (Canada) and Imperial College of London (U.K.).

International meeting with students and professionals from SEG Student Chapter of University of British Columbia and MRDU (Mineral Deposit Research Unit) members during their trip throughout Perú to Pisco Tin Smelter, Cerro Lindo, Cuajone, Cerro Verde, Toquepala and Marcona mines

Date: May 4th

Objective: Ways to finance an international trip into the mines in another country, find out specific SEG member benefits, organize an international trip to visit Chile mines.

Figure 3: Meeting with University of British Columbia SEG Chapter

International meeting with students and professionals from SEG Student Chapter of Imperial College of London members during their trip throughout Perú to Pisco Tin Smelter, Río Seco Plant, Uchucchacua, Cerro Lindo, Cuajone, Cerro Verde, Toquepala and Pucamarca mines

Date: September 1st

Objective: Better ways to manage the trip financing by promoting various mining companies among the professionals that assist to the event organized by the SEG student chapters with speakers of both SEG student chapters.

Figure 4: Meeting with Imperial College of London SEG Chapter
III. FIELD TRIPS

1) HUANCARANI

1. **Date:** December 2018.
2. **Area visited:** Huancarani, Paucartambo.
3. **Theme:** Geological mapping.
4. **Field trip leaders:** members of SEG Cusco student chapter.
5. **Number of participants:** 7 participants
6. **Abstract:** Recognition of lithologies and geological structures in the study area.

![Figure 5: Outcrop of the Quilque formation with the presence of a normal failure.](image)

2) CAJAMARCA

1. **Date:** December 2018.
2. **Area visited:** Cajamarca
3. **Theme:** Geological mapping.
4. **Field trip leaders:** Ing. Victor Rivasplata
5. **Number of participants:** 10 participants
6. **Abstract:** Identification of mineralized stocks and hydrothermal alterations around magmatic centers, with commonly used materials of mapping.

![Figure 6: SEG student members and PUCP students at the Galeno zone.](image)
3) POROY

1. **Date:** February 2019.
2. **Area visited:** Poroy, Poroy.
3. **Theme:** Geological mapping.
4. **Field trip leaders:** members of SEG Cusco student chapter.
5. **Number of participants:** 10 participants
6. **Abstract:** Recognition of lithologies and geoforms of the study area.

![Figure 7: Recognition of geoforms of the study area.](image_url)

4) OROPESA

1. **Date:** August 2019.
2. **Area visited:** Oropesa, Quispicanchi.
3. **Theme:** Geological mapping.
4. **Field trip leaders:** members of SEG Cusco student chapter.
5. **Number of participants:** 13 participants
6. **Abstract:** Lithological mapping as well as recognition of different rocks texture of the study area.

![Figure 8: Work locality-Oropesa](image_url)
IV. ORGANIZATION OF CONFERENCES & COURSES

1) CONFERENCE
   1. Date: October, 2018
   2. Organized by: SEG PUCP-UNSAAC Student Chapter.
   3. Conference: Structural Geology: Methods and applications
   5. Number of participants: 31 participants
   6. Benefits for students: Provide an application of structural geology in geological mapping and district exploration linked to his knowledge and experience at central and northern Peruvian Andes.

Figure 9: SEG Chapter student members from UNMSM, UNI and PUCP were part of the audience.

2) CONFERENCE
   1. Date: October, 2018
   2. Organized by: SEG PUCP-UNSAAC Student Chapter.
   4. By: Dr. Antonio Camprubi y Dra. Maria Colin
   5. Number of participants: 45 participants
   6. Benefits for students: Provide a better understanding and learning new terms about intermediate sulphidation deposits, such as a chemical perspective about hydrothermal vents and how it is linked to life origin.

Figure 10: Mainly professionals and SEG student members took part of the audience
3) CONFERENCE

1. **Date:** November, 2018
2. **Organized by:** SEG PUCP-UNSAAC Student Chapter.
3. **Conference:** Skarn Deposits
4. **By:** Ing. Diego Requejo Peralta
5. **Number of participants:** 15 participants
6. **Benefits for students:** Learn the genetic model of skarn deposits, their alterations and where in Peru we find this type of deposit.

![Figure 11: Conference Participants](image1)

4) CONFERENCE

1. **Date:** November, 2018
2. **Organized by:** SEG PUCP-UNSAAC Student Chapter.
3. **Conference:** Anaconda style mapping for porfidos and skarn.
4. **By:** Ing. Fidel Darwin Quispe Quispe
5. **Number of participants:** 10 participants
6. **Benefits for students:** Apply anaconda style mapping on porphyry and skarn systems.

![Figure 12: Delivery of the certificate to the speaker of the conference by one of the members of the chapter.](image2)
5) CONFERENCE

1. **Date:** Abril, 2019
2. **Organized by:** SEG PUCP-UNSAAC Student Chapter.
3. **Conference:** Lithogeochemistry for exploration in porphyritic stems.
4. **By:** Dra. Miriam Mamani
5. **Number of participants:** 21 participants
6. **Benefits for students:** Learn about new tools and methods used during the speakers experience at the exploration in porphyritic systems.

![Figure 13: SEG student members and PUCP students took part of the audience.](image)

6) CONFERENCE

1. **Date:** Abril, 2019
2. **Organized by:** SEG PUCP-UNSAAC Student Chapter.
3. **Conference:** Yumpag proyecto (Buenaventura mining company).
4. **By:** Lic. Carlos Saban.
5. **Number of participants:** 19 participants
6. **Benefits for students:** Improve new concepts about Jumasha Fm. as a host rock and a better facie identification of its lithology studied during the project discovery.

![Figure 14: SEG student member from UNMSM, UNI and PUCP students.](image)
7) CONFERENCE

1. **Date:** April, 2019
2. **Organized by:** SEG PUCP-UNSAAC Student Chapter.
3. **Conference:** Andes evolution at the south of Perú: New ideas from structural data and low temperature termocronology.
4. **By:** Ph.D. Carlos Benavente
5. **Number of participants:** 20 participants
6. **Benefits for students:** Better understanding about a regional behavior of the southern Andes by structural aspects such as faults and associated geological processes.
8) CONFERENCE

1. **Date:** June, 2019
2. **Organized by:** SEG PUCP-UNSAAC Student Chapter.
3. **Conference:** Sampling
4. **By:** Ing. Juan Carlos Valenzuela
5. **Number of participants:** 19 participants
6. **Benefits for students:** Learn the different techniques to make a good sampling.

IV.B. – WORKSHOPS

1) WORKSHOP

1. **Date:** February, 2019
2. **Organized by:** SEG PUCP-UNSAAC Student Chapter.
3. **Themes:** Geological logging and cross section interpretation
4. **By:** Ing. Luis Cangalaya.
5. **Number of participants:** 19 participants
6. **Benefits for students:** New minerals identification applied into core logging and geotechnical logging with real life formats and materials used by the speaker. SEG student member from UNMSM received a discount for the workshop enrollment.

Figure 17: Presentation of Juan Carlos Medina

Figure 18: SEG student members obtained benefits among regular students.
2) WORKSHOP

1. **Date:** September, 2019
2. **Organized by:** SEG PUCP-UNSAAC Student Chapter.
3. **Themes:** Transition between porphyry-skarn systems to CRDs: Metallogenesis and exploration guide.
4. **By:** Lic. Carlos Sabán.
5. **Number of participants:** 19 participants
6. **Benefits for students:** Review the geochemistry and geophysical perspective applied to porphyry – skarn systems exploration and learn about geological concepts to distinguish each type of deposit formation.

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**Figure 19: Workshop flyer**
V. TECHNICAL VISIT

1. **Date:** February, 2019
2. **Organized by:** SEG PUCP-UNSAAC Student Chapter.
3. **By:** Lic. Carlos Sabán.
4. **Number of participants:** 19 participants
5. **Benefits for students:** Visit the current exploited mineralized veins at Santa Teresa mine and the core shack with the guidance of our professors, Dr. Vallance and Torró. Finally, everyone got ore samples inside the mine with massive galena and sphalerite as a visit souvenir.

![Figure 20: SEG Student members, PUCP Students and SEG Professor members took part of this trip.](image)

VI. ORGANIZATION AND PARTICIPATION AT INTERNATIONAL CONFERENCES

1) **PARTICIPATION AT THE “CURSO LATINOAMERICANO DE METALOGENIA SEG-SGA-UNESCO”**

1. **Date:** May, 2019
2. **Organized by:** SEG (Society of Economic Geologists), SGA (Society for Geology applied to mineral deposits) and UNESCO
3. **By:** Dr. David Cooke, Dr. Lluis Fontboté, Dr. Kalin Kouzmanov, Dra. Silvia Rosas, Dr. Jhon Thompson, Dr. Lisard Torró, Dr. Jean Vallance, Dr. César Muñoz, Dr. Jorge Sáez.
4. **Benefits for students:** Visit the current exploited mineralized veins at Santa Teresa mine and the core shack with the guidance of our professors, Dr. Vallance and Torró. Finally, everyone got ore samples inside the mine with massive galena and sphalerite as a visit souvenir.
2) PARTICIPATION AT PROEXPLO 2019 CONFERENCE

1. Date: May, 2019
2. Organized by: IIMO (Peruvian Institute of Mining Engineers)
3. By: Several speakers
4. Benefits for students: SEG student member were part of the organization of the event and the audience, consequently.
3) ORGANIZATION OF THE JOINT SEG SYMPOSIUM PUCP-IMPERIAL COLLEGE OF LONDON

1. **Date:** September, 2019
2. **Organized by:** Imperial College of London and PUCP-UNSAAC SEG Student Chapters
3. **By:** PUCP Professors (Dr. Jean Vallance, Dra. Silvia Rosas, Dr. Miguel Cardozo and Dr. Lisard Torró) and Imperial College London speakers (Emily Brugge, Tom Matthews, Mg. Dragana Stojanovic, Mg. Jaime Sepúlveda and Mg. Diego Mesa).
4. **Benefits for students:** Have different perspectives of mining industry professionals related to mining operations, geochemical insights into ore systems and Peruvian geology, and be aware of the new investigations held by PUCP professors.

![Joint SEG Symposium PUCP Imperial College of London](image)

**Figure 23:** Members of the symposium.

VII. FUTURE PLANS

- Short courses: Arc Gis, Leapfrog and ioGAS.
- Workshops: Terraspec (Uses of TSG), Scanning Electronic Microscopy and others mineralogical characterization techniques.
- Conferences with William X. Chávez organized by all the SEG Student Chapters of Lima
- Invitation to the Internation SEG Lecturer Yasushi with the theme: “Rare earth deposits and mineralization” organized by all the SEG Student Chapters of Lima.
- International field trips