



# 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 09/2019 (mm/yyyy) – To 09/2020 (mm/yyyy)

STUDENT CHAPTER:

Check if update needed at segweb.org

Name: <u>SEG-TCD Student Chapter</u>	<input type="checkbox"/>
University Affiliation: <u>Trinity College Dublin</u>	<input type="checkbox"/>
Mailing Address: <u>2 College Green, Dublin, Republic of Ireland</u>	<input type="checkbox"/>
Dedicated E-mail: <u>seg.tcd.info@gmail.com</u>	<input type="checkbox"/>
Website: <u>https://www.facebook.com/segbcd/</u>	<input checked="" type="checkbox"/>
Logo: _____	<input type="checkbox"/>
Facebook: <u>https://www.facebook.com/segbcd/</u>	<input checked="" type="checkbox"/>
Twitter: <u>https://twitter.com/seg_tcd</u>	<input checked="" type="checkbox"/>
Instagram: <u>@seg_tcd</u>	<input checked="" type="checkbox"/>
LinkedIn: _____	<input type="checkbox"/>
YouTube: _____	<input type="checkbox"/>

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:	<u>Meabh Hughes</u>	<u>mhughes5@tcd.ie</u>
	Name	E-mail
VicePresident:	<u>James Stratford</u>	<u>stratfoj@tcd.ie</u>
	Name	E-mail
Secretary:	<u>Ethan Brady-Arnold</u>	<u>bradyare@tcd.ie</u>
	Name	E-mail
Treasurer:	<u>Winifred Duncan</u>	<u>duncanw@tcd.ie</u>
	Name	E-mail

Chapter Academic Sponsor:

Check if SEG Fellowship in good standing

<u>Sean McClenaghan</u>	<u>mcclens@tcd.ie</u>	_____
Name	E-mail	Phone
<u>2 College Green, Dublin, Republic of Ireland</u>	_____	_____
Address	Fax	

Chapter Industry Sponsor (*not affiliated with the student chapter's institution*):

Check if SEG Fellowship in good standing

<u>David J. Hall</u>	<u>david.hall@thanistratex.com</u>	_____
Name	E-mail	Phone
_____	_____	_____
Address	Fax	

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

Trinity College Dublin SEG Student Chapter  
Annual Report 2019-2020

TRINITY  
COLLEGE  
D U B L I N



SEG CHAPTER

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*Written by Meabh Hughes*  
*Edited by Winifred Duncan*

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## Executive Committee 2019-2020

President: Meabh Hughes

Vice President: James Stratford

Treasurer: Winifred Duncan

Secretary: Ethan Brady-Arnold

Academic Advisor: Sean McClenaghan (Trinity College Dublin)

## Executive Summary

The TCD SEG Student Chapter has had a very successful fourth year as an official SEG Student Chapter. This year the chapter had an equal undergraduate and postgraduate presence on the executive committee. The aim of the chapter this year was to highlight the practicality of work in the economic geology sector, which was successfully demonstrated on a field trip along the Iberian Pyrite Belt. Additionally the chapter hosted two lectures at the college, both of which had sizeable student turnouts.



## Lectures Held

*Friday November 15<sup>th</sup>, 2019 – Sarah Gleeson Thayer Lindsley Visiting Lecture: ‘Pyrite as Ore and Gangue in Hydrothermal Systems: Potential and Pitfalls’*

Hosted in the M4 Lecture Theatre, the lecture had an attendance of 50+ people. Attendees consisted of undergraduates, postgraduates, and Trinity College staff members from Geology, Geography and Earth Science backgrounds. The lecture ended with time for attendees to ask Sarah Gleeson questions about her lecture and her work. The lecture was well-received by attendees from all academic levels.

*Wednesday November 20<sup>th</sup>, 2019 – Navigating a Career Path in Mineral Exploration with Equity Exploration Consultants*

Hosted in the M4 Lecture Theatre, the event was attended by 20 people. Attendees consisted of third and fourth year undergraduate students and postgraduate students. The event began with a talk by one of the geologists from the Canadian-based firm, Equity Exploration. The talk consisted of a history of the firm, a summary of some of their successful projects, and an in-depth explanation regarding the purpose and role of mineral exploration. The talk ended with an in-depth detailing of jobs available within consultancies and an introduction to a career-opportunity offered to Trinity College Students. Following the talk, the speaker and their colleague went with attendees to a pub near the campus for an informal Q&A session with the two consultants. This talk was incredibly successful, with all students in attendance feeling like they had learned a great deal. Following the talk, three of the fourth year students in attendance applied for the career-opportunity.



Image: Poster for Equity Exploration talk

## Field Trip

Monday January 13<sup>th</sup> to Friday January 17<sup>th</sup>, 2020 – Iberian Pyrite Belt Field Trip

The committee ran a field trip to the Iberian Pyrite Belt of Spain and Portugal, with an attendance of three committee members, seven chapter members, one professor and two industry professionals. The chapter members were third year students studying in either the Geology or Earth Science courses at Trinity College. The professor in attendance was Sean



Image: Disused quarry at Rio Tinto

McClenaghan, the chapter's academic advisor. The two industry professionals in attendance were Catherine Reynolds and Adam Simmons of Anglo-American Mining.

The trip began in Seville, Spain, where the group collected cars and then drove to Minas de Riotinto in Provincia de Huelva. The group attended a tour of the active mines at Rio Tinto and an information session, hosted by Atalaya Mining. Following the mine tour and information session the group drove towards El Rompido, stopping along the pathway of the Rio Tinto to observe exposed outcrops and to observe the effects of mining on the river and local flora. The next day the group drove directly to Mineira de Neves-Corvo in Provincia de Beja. The group was hosted by Somincor (the Portuguese subsidiary of Lundin Mining) for information



Image: Small group inside Somincor mine at Neves-Corvo

sessions and tours through the active mines and facilities. Following an introductory lecture session and talk, the group was split into two smaller groups. One smaller group was taken into the underground mines and the other group was taken to view the above-ground

working facilities. This day featured many opportunities for students to learn about the practical applications of a career in the economic geology sector and gave students the opportunity to meet working geologists. The next destination on the route was Alcoutim. On the way to Alcoutim the group stopped to see the deserted Sao Domingos Mine and to look at exposed outcrops along the way. On the fourth day the group drove from Alcoutim to Aljustrel to



*Image: Whole group session in working facility at Neves-Corvo*

visit a historic mine that had been converted into an educational tour, after which the group drove to Sagres. On the final day the group drove to Lagos Beach to look at the exposed outcrops before driving to Faro and catching flights home.

The trip was very well received by all attendees. The students felt that they were given an excellent opportunity to learn more about the history of mining and the state of mining (and mining related jobs) today. Students also felt that they were given a good opportunity to network and meet geologists working outside of academia. The industry professionals also enjoyed the trip. As they got to meet a new cohort of potential geologists and they were able to see mines that they likely would not have been able to see otherwise.



*Image: Whole group at historic Aljustrel mine*

## Short courses, workshops, seminars and websites promoted and attended by the Trinity College Dublin student SEG chapter

Free webinar introducing the IMDEX ioGAS software for processing geoscience data – This will be provided on Wednesday July 29<sup>th</sup>, 2020, starting at 9:00am London time (GMT +1)

Apprentices wanted at Tara Mines: Mining Job Advertisement

(<https://www.meathchronicle.ie/2020/07/23/a-life-down-under-apprentices-wanted-at-tara-mines/?fbclid=IwAR3L5GZKc-Bu8FGin5e60UV7FY3EKke39hFs4VEFwbtQ2k2G4qeroUQKgmA>) – Job information through the Meath Chronicle

OreDepositsHub

(<https://oredeposithub.com/upcoming-talks/>) – A useful resource that regularly features webinars and talks during the week.

KLS Geological

(<http://www.klsgeo.com/SC50.htm?fbclid=IwAR203eY6N2z9pwpqLsLKZSS6pdctcaOg7zfbcljRdjYGU0zjqv-wTmQSF1Y>) – A useful resource for those interested in gaining some professional field experience. (<https://www.klsgeo.com>)

IAEG 'Black Angel Zinc Project, Greenland'

(<https://iaeg.ie/event-3909119?fbclid=IwAR1zMT1EgGnB8GZqPUCHAFWQZZwGMASdbV4dy80CWblfBrAsYVRTZO-1Cyl>) – An Irish Association of Economic Geologists event

Mapping training and orogenic gold in Portugal 2020 (Online event)

([www.womeninmining.org.uk](http://www.womeninmining.org.uk)) – Application for this and other trainings and jobs can be found here.

IAEG Logging Course

(<https://www.iaeg.ie>) – Registration for this and other courses can be found here

SEG Geocareers Webinar

([www.segweb.com](http://www.segweb.com)) – Registration for this and other events can be found here

## Trinity College SEG chapter Annual General Meeting

The Annual General Meeting for the Trinity College SEG Student Chapter was held on Tuesday May 5<sup>th</sup>, 2020. At the meeting the committee for the 2020-2021 year was elected. The final election results were as follows:

President: Patricia Struzynska

Vice President: Meabh Hughes

Secretary: Winifred Duncan

Treasurer: Anna Sweeney

It was decided at this meeting that more positions will be re-opened for people to run for in the fall semester of classes (positions such as year representatives, OCMS, etc.)

## Future Plans for the TCD-SEG Chapter

As a society the TCD-SEG Student chapter hopes to host a variety of online and in-person events (dependent of course upon the Covid-19 situation). In terms of online events we hope to host webinars, talks with Q&A sessions, and pre-recorded lectures. In terms of in-person events we hope to re-organise the Gold Panning Trip that the 19/20 committee initially organised. The chapter also hopes to organise another field trip (either within Ireland or outside of Ireland) given the success of the 2020 field trip. Furthermore, the chapter also hopes to expand engagement with other Student SEG Chapters.



## Acknowledgements and Thanks

The TCD-SEG Student Chapter would like to thank the following people and organisations for the help and guidance that they provided through the year:

*Sean McClenaghan*

*Catherine Reynolds*

*Adam Simmons*

*Vicky Sternicki*

*Anglo-American Mining*

*Atalaya Mining*

*Equity Exploration Consultancy*

*Somincor Mining*



*Image: Trinity College Dublin SEG Chapter poste featuring the Museum Building in the snow*