



SOCIETY OF ECONOMIC GEOLOGISTS, INC.

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E-mail: studentprograms@segweb.org

Student Chapter Annual Report Form

This form is used to report on Student Chapter activities over the previous year. The report provides a useful medium to document the status and progress of individual chapters. Annual Reports are used to evaluate applications for SEG support and to keep information up-to-date on the SEG website. Please provide a summary of chapter activities in a concise form as suggested below. Description of programs may be supported by a limited number of photographs and figures in a format appropriate for publishing on our website.

Submission Deadline: September 30th

Submit to: studentprograms@segweb.org

Month/Year Reported: From 1/10/2016 (mm/yyyy) – To 1/10/2017 (mm/yyyy)

Chapter Name: Camborne School of Mines Society of Economic Geologists

Chapter Mailing Address: Camborne School of Mines, University of Exeter, Penryn Campus

Chapter E-mail: bm371@exeter.ac.uk

Chapter Website: csmseg.co.uk

Chapter Facebook: facebook.com/csmseg

Chapter Executive Committee (*in office during the time frame captured on this report*) (type "Vacant" if position not filled):

President:	<u>Robert Pell</u> Name	<u>rp416@exeter.ac.uk</u> E-mail
Vice President:	<u>Camilla Owens</u> Name	<u>co308@exeter.ac.uk</u> E-mail
Secretary:	<u>Luke Palmer</u> Name	<u>l.w.palmer@exeter.ac.uk</u> E-mail
Treasurer:	<u>Bara Ratrova</u> Name	<u>br275@exeter.ac.uk</u> E-mail

Chapter Academic Sponsor (*SEG Fellow membership in good standing*):

<u>Jens Andersen</u> Name	<u>j.c.andersen@exeter.ac.uk</u> E-mail	<u>+44 (0) 1326 371836</u> Phone
<u>Camborne School of Mines, Tremough Campus, Penryn TR10 9EZ</u> Address		<u></u> Fax

Chapter Industry Sponsor (*SEG Fellow membership in good standing and not affiliated with the student chapter's institution*):

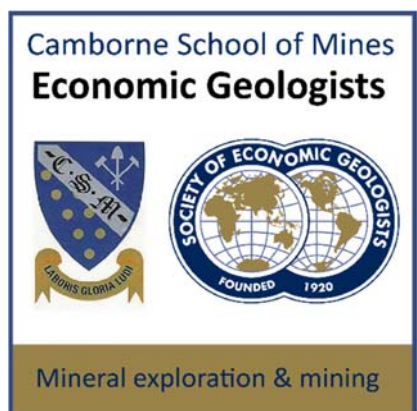
<u>Dr Simon Dominy</u> Name	<u>s.dominy@e3geomet.com</u> E-mail	<u>+44 (0) 7717 337574</u> Phone
<u>1 Kingdom Street, Paddington Central, London, W2 6BD</u> Address		<u></u> Fax

Sponsoring Institution or Company (name): Camborne School of Mines, University of Exeter

- Attach:**
1. a list of names of **all** Student Chapter members (please indicate by * if SEG Student Member).
 2. complete Student Chapter Membership Information form with the current Executive Committee listed on page 1.

On a separate page(s) provide a summary of student chapter annual activities:

1. Regular meetings, lectures
2. Field trips (dates, area visited, field trip leaders, number of participants, sponsors, benefits for students).
Note: this is not the place for a detailed field trip report that is required from a chapter who has received funding from the Stewart R. Wallace Fund.
3. If your chapter received funding from the Stewart R. Wallace Fund, please submit a separate actual accounting of how chapter funds were spent/used.
4. Organization of conferences, workshops, short courses (theme, number of participants, benefits for students)
5. Participation in conferences, workshops, short courses (theme, number of participants from the chapter, benefits for students)
6. Fund-raising programs
7. Other programs
8. Future plans



CAMBORNE SCHOOL OF MINES ECONOMIC GEOLOGISTS

ACTIVITY REPORT SEPTEMBER 2016 – SEPTEMBER 2017

FIELD TRIPS

SAMPLING COURSE IN HUNGARY AND SLOVAKIA

In May 2017, CSM-SEG attended a course hosted by Miskolc SEG Chapter. The programme which included intensive courses and lectures on sampling methods was followed by fieldtrips to historic gold mining districts and underground adits in Hungary, copper mining areas in Slovakia which have issues with acid mine drainage and an active Perlite mine, also in Hungary. The well attended course which had an international audience, was attended by some students from CSM-SEG as well as students from Portsmouth.



NUMBEROUS TRIPS AROUND CORNWALL WITH SEG CHAPTERS ORLEANS AND PORTSMOUTH

The CSM-SEG hosted the Orleans and Portsmouth SEG Chapter in August 2017. The week included presentations of research from attendees of the course followed by a busy week of fieldtrips around a number of locations in Cornwall. It was a great opportunity for our members as well as the visitors to get an understanding of the regional geology of the area. CSM-SEG would like to thank the help and contribution from Jens Andersen, Robin Shail and Sam Hughes, all academics at CSM for providing excellent fieldtrips with a great depth of understanding of the areas visited.



The fieldtrip included visiting Cligga Head, Roche Rock, Porth Ledden, Botallack and going down the underground Rosevale mine.



ROYAL CORNWALL MUSEUM

In September 2016, CSMSEG visited the Royal Cornwall Museum in Truro to see the collection of minerals and samples from Cornwall and the southwest. This trip, acting as an introduction to the society for new members, was well attended and provided a nice overview of the geology of Cornwall for those who had just moved down.

WORKSHOP

3-DAY WORKSHOP ON GEOCHEMICAL EXPLORATION WITH DR DENIS SCHLATTER

On Friday 10th March 2017, CSMSEG hosted a 3-day workshop covering geochemical exploration techniques from Denis Schlatter. The workshop was attended by a number of SEG Chapters, including Miskolc, Bristol, Portsmouth, Imperial. The conference was exceptionally run by Dr

Schlatter who provided great depth for the course in a way that was easy to understand. The course contained lectures along with some field based activities using mobile apps and GPS systems. CSMSEG would like to thank the assistance provided by the FXU.

**OVERVIEW OF
GEOCHEMICAL EXPLORATION**
Friday 10th - Sunday 12th March
By Denis Schlatter, PhD, EurGeol

PRICES
CSMSEG MEMBER - £ SEG MEMBER - £ NON-MEMBER - £

SOCIETY OF ECONOMIC GEOLOGISTS HELVETICA EXPLORATION SERVICES fxu UNIVERSITY OF EXETER

FRI
SAT
SUN

GEOCHEMISTRY FOR MINERAL EXPLORATION

INTRODUCTION, GENERALITIES, PERIODIC TABLE OF ELEMENTS, MOBILE AND IMMOBILE ELEMENTS, GEO-DATA COLLECTION, SAMPLING, SAMPLE PREPARATION AND QA/QC

THE USE OF MOBILE ELEMENTS TO CHARACTERISE HYDROTHERMAL ALTERATION; RELATIONSHIP BETWEEN ALTERATION AND MINERALOGY

CHEMICAL CLASSIFICATION OF ROCKS, DEFINITION OF MAGMATIC AFFINITIES AND QUANTIFICATION OF HYDROTHERMAL ALTERATION BY THE USE OF MOBILE AND IMMOBILE ELEMENTS

CHEMOSTRATIGRAPHIC CASE STUDIES APPLIED TO VMS, OROGENIC GOLD AND IRGS IN NORTHERN SWEDEN, WEST AND SOUTH GREENLAND

GUEST LECTURES - TBC

AN INTRODUCTION TO EVALUATING GEOCHEMICAL DATA USING SOFTWARE AND FIELD GIS

SIZES AND STYLES OF HYDROTHERMAL ALTERATION DEPENDING ON ORE DEPOSIT TYPE

CASE STUDIES HYDROTHERMAL ALTERATION

EXAMPLE OF A HOLISTIC GEOCHEMICAL EXPLORATION APPROACH USING MINERAL POTENTIAL MAPPING, REMOTE SENSING, NEURAL NETWORK ANALYSIS AND MICROPROBE DATA FOR NI AND GOLD EXPLORATION IN WEST GREENLAND

*On completion you will receive a certificate of attendance rp416@exeter.ac.uk

CV WORKSHOP AT CAMBORNE SCHOOL OF MINES

We completed a CV workshop with Benedikt Steiner and the Careers team at University of Exeter, Penryn Campus. The workshop provided information on how to structure CVs, cover letters and apply for jobs in a more general term, followed by a mining industry specific take on it. This service which was appreciated by members will continue this year, assisting CSMSEG members with applications to summer placements and employment following their degrees.

MEETINGS

ANNUAL GENERAL MEETING

We conducted an AGM on Friday the 6th of May between 1-2pm. The AGM started with a slide show of previous trips that were conducted this year and President Rob Pell introduced the work CSM SEG conducts on campus. We then introduced the new website and twitter account. Topics that came up included fieldtrips for next year and funding by local companies. Two new committee members joined CSM SEG from the 1st Year ready to start in September. We finished by having an informal chat about potential social events/trips and talks for next year. There was also a wide variety of food on offer.

INTRODUCTION TO THE SEG AND CSMSEG

An introduction to what the Society of Economic Geologists and the CSMSEG offers took place at 7pm on the 22nd of September 2016. The lecture was well attending and discussion about lectures and trips was met with enthusiasm. A number of people showed interest in joining both societies. It was suggested that a similar event should be planned for the first week of term 2.

UK MEETING HOSTED BY BRISTOL SEG

Members from CSMSEG Chapter attended the meeting hosted in Bristol to bring together UK student SEG Chapters. The excellent event, which will be hosted annually is a great way to encourage cross-chapter collaboration.

FUTURE PLANS

FIELD TRIPS

ROYAL CORNWALL MUSEUM

A trip to see the national collection at the Royal Cornwall Museum in Truro. This trip will be taking place on the Saturday morning of the 1st of October.

TOUR OF CORNWALL WITH BRISTOL AND OXFORD SEG CHAPTERS

SCOTGOLD, SCOTLAND

We are planning a 2-4 day trip to Parys Mountain copper deposit and historic mine site to underground coal mines in Wales.

IMERYS CHINA CLAY MINE, ST AUSETLL, CORNWALL

ROSEVALE. ZENNOR, CORNWALL

WORKSHOP SERIES

LECTURES

We are hoping to have guest lecturers in every two weeks at a regular time. Many of the members stated that they would like to hear about professionals as economic geologists and would like to know what their day-to-day job entails.

Below are a few of the suggested events for the first term.

Benedikt Steiner – Mineral potential mapping of orogenic Au deposits, Central Lapland Greenstone Belt, Finland

Association of Mining Analysts