



SOCIETY OF ECONOMIC GEOLOGISTS, INC.

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Student Chapter Annual Report Form

The purpose of this form is 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 Student Chapter information up-to-date on the SEG website. Please provide a summary of Student 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: 30th September

Submit to: studentprograms@segweb.org

This form should be submitted with the [Student Chapter Membership Information](#) form

Month/Year Reported — From: Mo./Yr. September 2010 To: Mo./Yr. Mai 2011

Student Chapter Name: Université Laval-INRS-ETE

Student Chapter Mailing Address: Département de Géologie et de Génie Géologique, 1065 avenue de la Médecine

Student Chapter Website : www.seg.ggl.ulaval.ca

Student Chapter Executive Committee (*each must be SEG Student Member in good standing*) (type "Vacant" if position not filled):

President:	<u>Emilie Boutroy*</u> Name	<u>emilie.boutroy.1@ulaval.ca</u> E-mail
Vice President:	<u>Jean-François Montreuil*</u> Name	<u>montreil.jean.francois@gmail.com</u> E-mail
Secretary:	<u>Alex Landry*</u> Name	<u>alex.landry.1@ulaval.ca</u> E-mail
Treasurer:	<u>Julien Mailloux*</u> Name	<u>julien.mailloux@ulaval.ca</u> E-mail

Student Chapter Academic Sponsor (*must be SEG Fellow Member in good standing*):

<u>Dr. Georges Beaudoin, Ph.D.</u> Name	<u>beaudoin@ggl.ulaval.ca</u> E-mail	<u>418 656-3141</u> Phone
<u>1065 avenue de la Médecine, Université Laval, Québec (Québec), G1K 7P4, CANADA</u> Address		<u>(418) 656-7339</u> Fax

Student Chapter Industry Sponsor (*SEG Fellow Membership is highly recommended; Industry Sponsor should not be affiliated with the student chapter's institution*):

<u>Dr. Benoît Dubé</u> Name	<u>bdube@nrcan.gc.ca</u> E-mail	<u>418 654-2669</u> Phone
<u>490 rue de la Couronne, Québec (Québec), G1K 9A9, CANADA</u> Address		<u>418 654-2615</u> Fax

Sponsoring Institution or Company (name): Geological Survey of Canada

Attach a list of names of **all** Student Chapter members (please indicate by * if SEG Student Member).

On a separate page(s) provide a summary of 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 Student Chapter who has received SEG funds.
3. Organization of conferences, workshops, short courses (theme, number of participants, benefits for students)
4. Participation in conferences, workshops, short courses (theme, number of participants from the Student Chapter, benefits for students)
5. Fund-raising programs
6. Other programs
7. Future plans

2009-2010 Annual Report of Activities

1-Regular meetings, lectures

The Student Chapter meets once a month to organize its activities including field trips, short courses and scientific conferences. Minutes of the meetings are prepared by the secretary and are archived with the academic sponsor.

2-Field trips

From April 30th to May 15th 2010, ten members of the Laval University – INRS SEG Student Chapter visited one mine in Chile and two mines in Argentina (cf. picture 1). The first mine was El Teniente (CODELCO), near Rancagua, the biggest underground copper mine in the world. The Student Chapter visited the underground mine and its old mining village, which is part of the UNESCO protection program. Afterwards, the group moved to Argentina to visit the San Jorge copper mine project owned by Coro Mining corp., near Uspallata. That was a good experience to understand all the political, environmental and logistic difficulties of an international company to open a mine in South America. The Student Chapter members visited the project area with three geologists and then had a presentation of the Cordillera of the Andes economic perspective. Finally, the Student Chapter members visited the Gualcamayo open pit gold mine owned by Yamana gold near San José de Jáchal. A main feature of the mine is that it generates no mining residue because the gold is in a carbonate rock. After the gold is extracted by leaching, the mine sells the residue to a concrete factory.



Picture 1. Laval University - INRS-ETE student chapter visiting the San Jorge copper mine project near Uspallata, Argentina

3-Organization of conferences, workshops, short courses

Since 2003, during the *Québec Exploration* mineral exploration conference and trade show, the Laval University – INRS SEG Student Chapter organizes a short course, presenting various aspects of mineral deposits exploration. The 2009 (November 23rd-24th) short course was on recent developments in exploration geophysics. Different geophysical methods were discussed in relation to discovery of various mineral deposit types. The course instructors were Professor Michel Chouteau (École Polytechnique) and Michel Allard (Xstrata Zinc).

Québec Exploration is a popular convention attended by more than 2000 delegates that is usually held during 4 days and is a must-attend event for all mining exploration stakeholders and investors in eastern Canada. Conferences are held during the event and it's a nice opportunity to meet and share the latest developments in the mineral exploration industry.

It's possible to get additional information on *Québec Exploration* on the official website: <http://www.quebecexploration.qc.ca/english/home.asp>

4-Participation in conferences, workshops, short courses

On March 16th 2010, The SEG Student Chapter sponsored and attended the lecture of Professor Michel Cuney, University of Nancy (France). The talk title was : What are the parameters controlling the formation of high grade uranium deposits? The example of unconformity related deposits of Saskatchewan. The talk was attended by about 50 students, faculty and researchers from Université Laval, INRS-ETE and the Geological Survey of Canada (cf. picture 2).



Picture 2. Professor Michel Cuney (Univerité de Nancy) at l'Université Laval, Québec. Student Chapter members (Emilie Boutroy, Julie Lepage, Jonathan Lavoie, Catherine Savoie, Jonas Depatie, Francis Donati-Daoust, Terry Bélanger, Mathieu Turcotte-Robitaille) with academic sponsors G. Beaudoin and B Dubé.

On March 26th 2010, during the *Journée des Sciences de la Terre et de l'Environnement* (JSTE), graduate students from U Laval and INRS-ETE presented their research. The SEG Student Chapter sponsored the activity and awarded a prize of 100\$ for the best presentation on mineral deposits. (Sofie Tremblay, MSc student)

5-Fund-raising programs

The Laval University- INRS-ETE Student Chapter fund-raising programs are designed to sponsor the Student Chapter activities, in particular the fieldtrips. The revenues from the *Québec Exploration* short course are returned entirely to the Student Chapter. This is a major source of funding (3700\$ in 2009). The short-course given by Michel Chouteau and Michel Allard, during the *Québec Exploration* convention, contributed greatly to the Chapter funding. The Chapter also solicit mining and exploration companies to sponsor its activities. In 2009-2010, the Student chapter received 1000\$ from Agnico-Eagle and Barrick Gold. The Student Chapter received funding from Virginia (250\$), Mines Opinaca (500\$), Consolidated Thompson (500\$) and a

other 500\$ from a private donator. The fund of the “Office Québec-Amérique pour la jeunesse” sponsored 70% of the flight tickets for the Argentina-Chile field trip. Finally, the Student Chapter held a meet-and-greet/fund-raising night at a local pub, during the same week as *Québec Exploration*.

6-Future plans

The Student Chapter has recruited, in 2010-2011, 25 local members so the future is promising for upcoming activities.

First, the Student Chapter will organise again this year the short-course during *Québec Exploration 2010*. The short course subject is high technology metals (Li, Be, Zr, Y, Sc, rare earth elements). It's a brief view on geologic characteristics and origin of rare metal deposits because high technology metals are in great demand for new applications. The course instructors are Professor Iain Samson (University of Windsor, Ontario), Robert Linnen (University of Western Ontario), A. E. Williams-Jones (McGill University, Québec) and Marc Constantin (Université Laval, Québec)

Second, the Student Chapter is planning to visit during fall session the Niobec mine near Saint Honoré, owned by Mazarin. It's the only underground exploitation of niobium in the world. Afterwards, the Student Chapter is planning to visit the Black Lake chrysotile mine (Thetford Mines) and the Mont St-Hilaire quarry, recognized as among the top ten mineral-collecting sites in the world.

Third, for the 10th year in a row, the Laval University - INRS-ETE Student Chapter is going to participate to the *Journée des sciences de la Terre* held in March 2011 and sponsor a prize for the best presentation on mineral deposits.

Finally, members of the Student Chapter are planning a field trip in May 2011 to visit mineral deposits. The field trip organizing committee is considering visiting mining areas in Western Canada, Alaska, Mexico or Australia. A decision on the field trip location will be reached later this fall.

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Québec, Québec, September 29th, 2010

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