



## 2<sup>nd</sup> European SEG Student Chapter's Conference

In this year, between 2<sup>nd</sup> and 5<sup>th</sup> of September the Eötvös Loránd University Student Chapter of the SEG organized the 2<sup>nd</sup> European SEG Student Chapter's Conference in Budapest, Hungary. We had participants from France (SEG SC LaSalle France), Ukraine (SEG SC Taras Shevchenko National University of Kyiv), Great Britain (SEG SC University of Leicester) and from Hungary as well (Eötvös Loránd University and University of Miskolc). On the first day, the conference was opened by the participant's introductions. Afterwards we could enjoy dr. Larryn Diamond's (SEG Regional Vice President Lecturer 2009) discourses about the formation of orogenic gold deposits in the Western Alps and also about the disposal of radioactive waste. In the following our faculty sponsor, dr. Ferenc Molnár gave a lecture on the Tertiary volcanism and mineral deposits of the Carpathians. At the end of the day we had an open discussion with the lecturers and a dinner in the Historical Mineral and Rock Collection Hall of our university.

During the next two days the participants had a chance to experience a Hungarian field trip in the Tokaj Mountains (NE-Hungary) with the guidance of Ferenc Molnár. The first stop was a perlite quarry in Pálháza, where we could study an at least 200 m thick succession of complex rhyolitic cryptodomes and endogeneous lava domes, partially intruded into wet, unconsolidated marine sediments. Then we visited a diatomite and bentonite mine near Erdőbénye. The deposition of these sediments was related to the Tertiary volcanism in a little pull-apart lacustrine basin. The last stop of the day was a zeolite bearing tuff outcrop (Suba-mine, Mád), which is a product of the Sarmatian post-tectonic volcanism. In the evening we got acquainted with the wines of the region in a winery in Tarcal.

On the next morning we observed the adularia-sericite alteration zones, related to a LS-type epithermal Au-Ag deposit in the vicinity of Telkibánya. After that, the group had an opportunity to review the epithermal mineralization in the Regéc caldera. The following stop was a protected ignimbrite quarry at Vizsoly. Here we could examine the distal facies of a pyroclastic flow with gas blowdown structures, which was formed by the fumaroles after the volcanism. In the afternoon we visited a limnic clay and siliceous deposit in a hot-spring fed lacustrine basin near Mád (Keréktölgyes Mine). The last stop of the field trip was the abandoned quarry on the Király Hill, also in the neighbourhood of Mád. A horizontal zonation of the steam-heated alteration zone in a shallow epithermal system can be seen in the quarry. In the evening, during the conference closing dinner, the participants decided that the next meeting will be in France, organised by the students of the SEG SC LaSalle.

During these few days, we got a general idea about the mineral deposits of the Tokaj Mountains, and had a possibility to learn about how to explore alteration zones on the field. We are very grateful to Ferenc Molnár and also to Larryn Diamond for sharing their scientific and practical experience with us. Finally, this meeting would not have been possible without our sponsors (Ediafilit Ltd., Geoproduct Ltd., Ges Ltd., Eötvös Loránd University), especially without the subsidy of the SEG.



More pictures about the conference can download [here](#).

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