

# UNESCO-SEG-SGA Latin American Metallogeny Course

## Lima, Peru • October 19–22, 2012

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The 31st edition of the UNESCO-SEG-SGA Latin American Metallogeny Course was held from October 19 to 22, 2012, at the Pontificia Universidad Católica del Perú (PUCP), in Lima, immediately before the SEG 2012 Conference in the same city. The interest that this course received is not only indicated by the 88 participants (from universities, mining companies, and government agencies that included Argentina, Bolivia, Brazil, Canada, Colombia, Cuba, Chile, Ecuador, Mexico, and Peru), of which 46 received a grant, but also by the fact that the maximum number of participants was reached by early June, so that registration had to be closed three months before the course took place.

Prof. Silvia Rosas, PUCP, organized the course, assisted by Beatriz Bouroncle and staff and students of the Mining Engineering Section, and by the Sociedad Geológica del Perú. International instructors were David Leach, Larry Meinert, Fernando Tornos, Francisco Velasco, and Lluís Fontboté. Local Instructors were Miguel Cardozo, César Muñoz, Silvia Rosas, and Jorge Sáez. Main topics included an introduction to hydrothermal systems, porphyry copper systems, including their polymetallic parts, sediment hosted Zn-Pb deposits, VHMS, IOCG, and skarn deposits, as well as an overview of the metallogeny of the Peruvian Andes. The course was complemented by labs emphasizing recognition of alteration assemblages.

Among the more than 40 posters presented by the grant holders, the following awardees for the best posters were chosen:

1. Osbaldo Zamora Vega, University of Alberta, "Mineralogía y microtermometría de los diferentes estilos de mineralización en el distrito minero de Zacatecas, México";
2. Fabio Andrés Mendoza Villero, U.N.C., Medellín, "El Limón, shear zone hosted gold deposit asociado a la actividad de la falla Otú"; and
3. Lisseth Roncal Julcamoro, "Geología y metalogenia del distrito minero Hualgayoc, Cajamarca, Perú."

The course was followed by a five-day Andes transect to visit the skarn deposit of Uchucchacua (Buenaventura), the polymetallic Cordilleran deposit of Cerro de Pasco (Volcan), the MVT deposit at San Vicente and the Unidad Minera Yauli (Volcan).

The excellent venue offered by the host PUCP and the support of the mining companies for the field trip and samples offered for the labs contributed to the great success of the 2012 edition of the course. The next edition will take place in 2014. For more information, see the website for the course, <http://www.unige.ch/sciences/terre/mineral/seminars/latinometal.html>



Participants and instructors of the UNESCO-SEG-SGA Latin American Metallogeny Course (2012) at the course venue in the PUCP Lima.



The field trip participants after their visit to the spectacular MVT San Vicente deposit.



The labs for recognition of typical ores and alteration assemblages were a great success.