



International Association of GeoChemistry

www.iagc-society.org

12th INTERNATIONAL SYMPOSIUM ON APPLIED ISOTOPE GEOCHEMISTRY (AIG-12)

The AIG-12 Symposium was held 17–22 September 2017 in Copper Mountain (Colorado, USA). A total of 56 colleagues from 10 countries participated in 4 days of oral and poster presentations, as well as a mid-week field trip. We enjoyed enthusiastic discussions, including excellent presentations by the dozen or so students in attendance.

Excellent keynote presentations were provided by Romain Millot (Bureau de recherches géologiques et minières, France) on Li isotope geochemistry, Tom Johnson (University of Illinois, USA) on a review of 20 years of research on non-traditional (i.e. non-CHONS) isotopes, and François Chabaux (University of Strasbourg, France) on using isotopes in weathering geochemistry. In addition to the keynote presentations, there was a wide range of topics, including the following: isotopes in oil and gas exploitation, isotopes in wine production, isotope hydrology, compound-specific isotope analysis, the use of isotopes in forensic investigations, isotopes and ocean acidification, isotopes and the nuclear industry, noble-gas isotope research, and isotope geobiology.

Two Gunter Faure Awards (http://www.iagc-society.org/faure_award.html) were presented by Philippe Négrel (IAGC President) for the best student oral and poster presentations. The winners were Patrick Griffin (Indiana University, USA) for his oral presentation, "Amino acid d^2H as indicator of metabolic, ecological, and biogeochemical processes", and Masoomeh Kousehlar (Miami University, USA) for her poster, "Air quality assessment and determination of Pb sources in the atmosphere of Tehran, Iran, by tree bark biomonitoring." The Faure Award consists of a certificate, a one-year membership to the IAGC, and \$100 cash. Congratulations to Patrick and Masoomeh!

The mid-week field trip was led by Dr. Vince Matthews, former State Geologist for the State of Colorado (USA). Vince led us on an enlightening trip around the mines and town of Leadville, including an excellent overview of the local and regional geology and ore deposits, as well as sharing amusing stories of the local mining history and of the miners themselves. On a perfect blue-sky day, the sort for which Colorado is famous, we enjoyed Vince's talks, spectacular autumn scenery, a picnic lunch at 3,500 meters above sea level, and a tour of the National Mining Hall of Fame and Museum in Leadville.

The abstracts submitted for the meeting were edited by Ian Cartwright (IAGC Past-President). Starting with the AIG-12 meeting and continuing thenceforth, we will publish the Proceedings abstracts online at www.appliedisotopegeochemistry.org, so the abstracts will be open-access and searchable. In addition, a special issue of *Applied Geochemistry* is planned to highlight selected papers from the AIG-12 meeting. The special issue will be edited by Ian Cartwright (Monash University, Australia), Jennifer Harkness (Ohio State University, USA), and Richard Wanty (US Geological Survey).



Attendees of the AIG-12 field trip to the Ibox Mine near Leadville, Colorado. Elevation 3,500 meters above sea level.



Dr. Vince Matthews discusses the geology of the Leadville mining region (Colorado, USA).

AIG-12 was sponsored by IsotopX, and we thank them for their generous support.

The intimate setting of the Copper Mountain Resort, the enthusiastic attendees, and the breadth and quality of the presentations made the AIG-12 meeting a great success. We now look forward, with much excitement, to next AIG meeting.