Dear Colleagues:

We are opening registration for the 17th offering of our Short Course on Ore Deposits Mapping, which will take place Thursday, August 31 through Saturday, September 09, 2023.

Course Details:

As part of the University of Arizona’s advanced ore deposits curriculum, Mark Barton and Hervé Rezeau with help from Eric Seedorff will again be leading an extended field trip and mapping course through the Great Basin. Themes include the broader context of ore-forming systems and how to look at them in the field at multiple scales. It will be an opportunity to see ore deposits of various types and ages, set in the context of the structural, magmatic and fluid evolution of the region. The trip is designed for graduate students taking an advanced ore deposits class, but we will make available approximately 25 seats for members of industry and other professionals.

The trip will include a focused multi-day introduction to the “Anaconda-style” of detailed mapping as applied to multiple deposit types, but with a focus in the Yerington district, Nevada. The district contains porphyry copper and skarn mineralization, but the mapping method is adaptable to any type of deposit. As part of this, we highlight how mapping can be used to understand zoning, the time-space evolution of mineralizing systems, and the relationships to the fundamental phase equilibria of hydrothermal alteration. In addition to numerous other geologic stops, the trip also anticipates to include overviews and/or tours of the following districts and deposits:

- Goldfield, Nevada [high-sulfidation epithermal Au],
- Tonopah, Nevada [low-sulfidation epithermal Ag-Au],
- Birch Creek, California [F-Be-W-(Zn) greisen/skarn],
- Humboldt, Nevada [IOCG occurrences],
- Eureka district, Nevada [partially superimposed systems, with Carlin-type Au mines at Windfall, Rustler and Archimedes, a porphyry Mo-Cu to replacement Zn-Pb-Ag deposit at Ruby Hill, and the top of a F-W-Zn-Be-(Mo-Sn) system at McCullough Butte]
- Robinson district, Nevada [porphyry Cu-(Mo-Au) and related skarn and distal Au-Ag deposits].
The trip is 10 days round trip from Las Vegas, covering about 2500 miles in 4WD vehicles. Industry participants should plan to arrive in Las Vegas no later than Wednesday evening August 30, as the trip leaves early on Thursday morning August 31st. Industry participants should also plan to depart from Las Vegas no earlier than Saturday night September 09, 2023.

The early registration cost of the trip (before July/03/2023) for non-university participants is US $3,700.00 which includes ground transportation, all lunches in the field, double-occupancy accommodations in motels each night during the trip, and course materials. Breakfa}
Your $3,700 registration fee includes:
- ground transportation during field trips
- all lunches in the field
- double-occupancy accommodations in motels each night during the trip
- 2 group dinners (on day 8 and 9 of the course)
- Course materials and handbook

You will need to pay:
- most breakfasts (some hotels have free continental breakfast) and most dinners are responsibility of participants
- Participants will need to provide their own transportation to and from Las Vegas as well as their accommodations the night preceding and following the trip.

The Short Course on Ore Deposits Mapping consists of exercises that require that you have with you the following personal equipment:

- Hand lens, pencil magnet (carbide scribe)( we have some extras in case you don’t have one)
- Rock hammer, compass (i.e., Brunton), acid bottle*
  *we will have additional acid bottles10% HCl, as well as some Bruntons that can be checked out
- Clipboard, field notebook (we will provide it), pencils
- Colored pencils (we will provide them)
- Field pack, ≥ 2 liters water bottles
- Good field shoes
- Steel toed boots
- Appropriate field clothing:
  ✓ sun and eye protection, hiking footwear
  ✓ you must have hard boots and long sleeves/pants for mines (Yerington, Eureka; steel toed boots are required for the Robinson mine tour)
  ✓ we provide safety glasses, hard hats, vests