

Isotope geochemistry of fluid-rock interactions

Short course presented by the Geological Survey of Finland

at the Eötvös Loránd University, Budapest, Hungary

11-13 February, 2020



GTK



The course aims to review the current state of the art in the application of isotope geochemistry for the understanding of processes in hydrothermal systems. Lectures will focus on the traditional and new, cutting edge instrumentation of analyses, as well as the current developments and future perspectives of isotope geochemistry in fluid-rock systems. The presentations will be divided between trace element analyses, radioactive elements for geochronological studies and radiogenic elements as conservative isotope tracers. The use of traditional and non-traditional stable isotope tracers in understanding mineralization processes will also be discussed. Tracking of sources of fluids and their components, and determination of ages of mineralization processes will be presented and supported with various case studies.

Lecturers

Yann Lahaye, Hugh O'Brien, Ferenc Molnár
Geological Survey of Finland

Invited lecturers

Holly Stein
Colorado State University and University of Oslo, Norway

Attila Demény and Zoltán Pécskay
Hungarian Academy of Sciences

Registration: <https://forms.gle/yCS5bdEmevH35yms7>

The course is a part of the the Horizon 2020 ENeRag project and registration is free of charge. Registration is open till 5th February, 2020. Maximum number of participants is 30. Registrations are on a first-come, first-served basis.

Horizon 2020 ENeRAG Project
Excellency Network Building
for Comprehensive Research and Assessment of Geofluids

