

Interaction between fluids and minerals

Studying mineral-fluid interactions is fundamental for the understanding of many processes in Earth sciences such as petrology, hydrogeology, petrology (magmatic / metamorphic), geochemistry, paleoenvironmental reconstructions, more recently paleoaltimetric reconstructions to cite a few of them. These studies allow to better constrain the connections between the different envelopes of the terrestrial globe ; atmosphere, hydrosphere, lithosphere and deep Earth (mantle). This session invites researchers working on the analysis and tracing of fluids in terrestrial materials through the study of fluid inclusions, hydroxylated minerals, hydrothermal systems, etc. We focus on innovative contributions presenting new methodological developments centered on the direct analysis of fluids in minerals.