

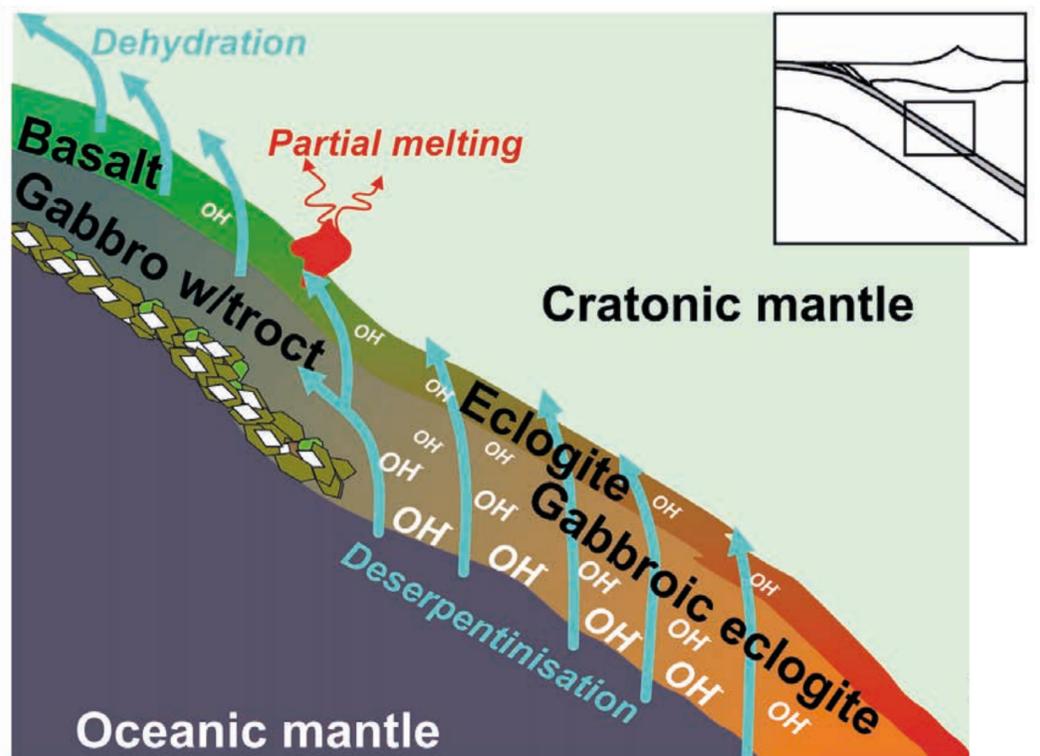
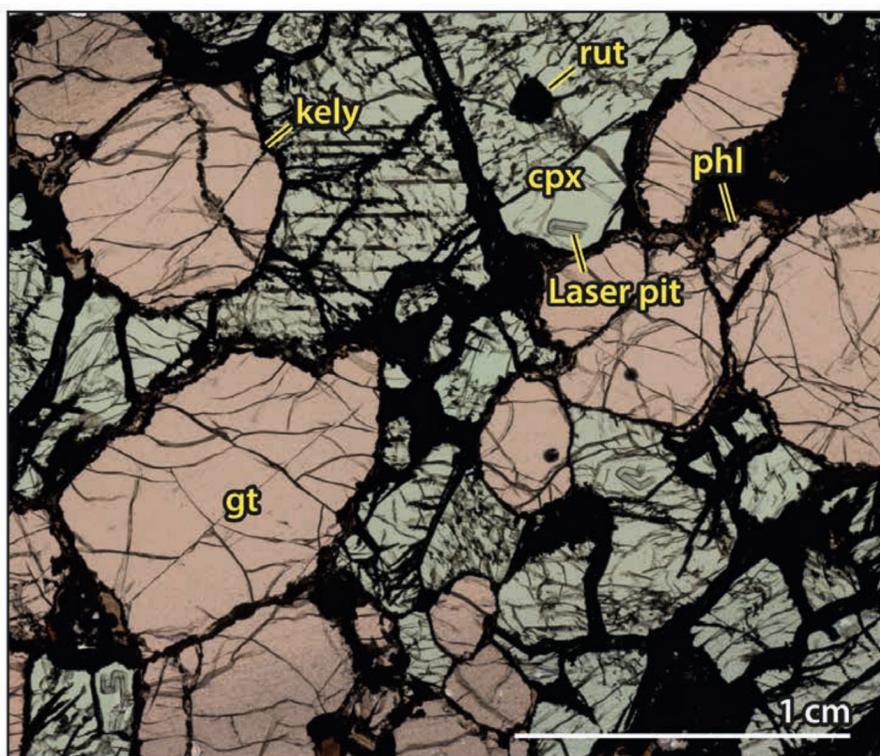


**Freitag, 26. April 2024, 11:30 Uhr**

**Einladung zum Seminarvortrag:**

## Origins and significance of “water” in omphacite and garnet from ancient oceanic crust sampled as xenolithic eclogite

**Sonja Aulbach**  
(Goethe-Univ. Frankfurt)



Cratonic mantle eclogite xenoliths (plane-polarised photomicrograph on left; cpx clinopyroxene, gt garnet, phl phlogopite, rut rutile, kely kelyphite) represent ancient metamorphosed oceanic crust that interacted with various slab-derived fluids during subduction. The presentation will explore to which extent “water” concentrations in clinopyroxene and garnet reflect these ancient processes vs. later metasomatic events in the lithospheric mantle. | © Sonja Aulbach