

Geowissenschaftliches Kolloquium

Real-time observation of fluid-rock interaction during diagenesis and metamorphism

Donnerstag, 12. Dezember 2013 - 16.15 Uhr

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Fluid-rock interaction is a key mechanism in ore genesis, the harvesting of geothermal energy and CO₂ sequestration. It is central to many metamorphic reactions. Fluids interact with rocks along porous pathways, which, in metamorphic settings, are highly dynamic. While metamorphic porosity was investigated in numerous studies, only recent technological advances made it possible to visualise pores in metamorphic rocks. I will report on the latest advances in Synchrotron-based x-ray microtomography applied to the investigation of metamorphic porosity in 4D.

Dr. Florian Fousseis studied at the University of Vienna, did his PhD at FU Berlin with Mark Handy and was Postdoc in Perth, Western Australia. He worked as Juniorprofessor für endogene Geologie at RU Bochum. Since January 2013 he is Lecturer for Structural Geology at the University of Edinburgh.



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