

Geowissenschaftliches Kolloquium

A geochemical perspective on Archean geodynamics

Donnerstag, 8. Juni 2017 - 16.15 Uhr

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A transitional phase in Earth's geodynamic evolution is represented by the preserved Archean (4.0-2.5 Ga) rock record. During the Archean, plate-tectonic processes developed and the first stable continental crust formed. In my presentation, I will provide a perspective on these processes by using geochemistry as a tool to elucidate Archean geodynamics. I will present case studies from Greenland and southern Africa that provide insights into the early mantle-crust system of the Earth.



Elis Hoffmann holds a B.Sc. and M.Sc. from University of Münster and a doctoral degree from University of Bonn. He was Post-doc at Bonn, Cologne and at FU Berlin. Currently he is research associate at FU Berlin. His research is focused on the formation of Earth's early continental crust and the evolution of Earth's mantle. For his research, he combines field work, petrology, geochronology and isotope geochemistry.

Layout: FUB GeoPal Vanessa Skiba, 20170509

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