

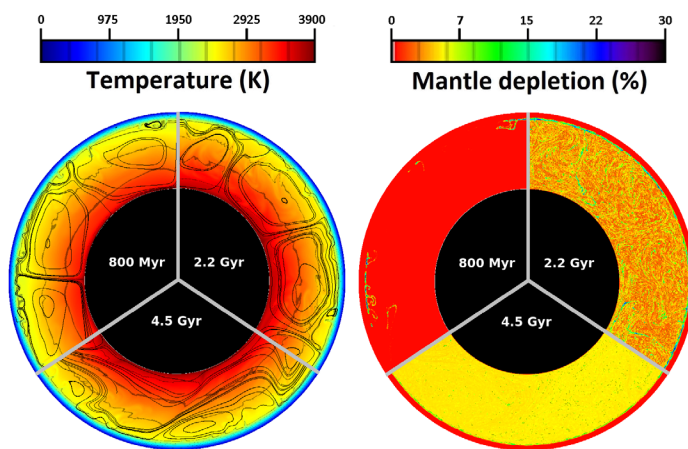
Geowissenschaftliches Kolloquium

Geophysics and Plate Tectonics of Terrestrial Planets

Donnerstag, 5. Februar 2014 - 16.15 Uhr

Lena Noack
(University of Bristol)

Earth is the only terrestrial planet (i.e. with a rocky mantle and iron core) in the solar system where long-term plate tectonics evolved and where an atmosphere allows for liquid water at the surface.



Mars, Venus and Mercury are all in the one-plate regime and lack surface water. I try to understand why these planets evolved differently with time by investigating both the interior of terrestrial planets, volcanic outgassing and the evolution of the crust.

Dr. Lena Noack is a post-Doc at the Royal Observatory of Belgium. She studied Mathematics at the Humboldt-University of Berlin, followed by a PhD at the Institute of Planetary Research at the German Aerospace Center in collaboration with the University of Munster. Her research focusses on the geophysical processes in and on terrestrial planets and their possible implications for the habitability of the planet.



Layout: FUB GeoPal Medienbüro, Jan Evers 20150330

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