

Geowissenschaftliches Kolloquium

Tectonic control on erosion in the Himalaya

Donnerstag, 21. Mai 2015 - 16.15 Uhr

Dirk Scherler
(Deutsches GeoForschungsZentrum Potsdam)

Erosion in the Himalaya is responsible for one of the greatest mass redistributions on Earth and has fueled models of feedback loops between climate and tectonics. A key



question in this debate is related to the extent with which climate, through erosion, can steer rates and patterns of tectonic deformation. In this talk, I want to present results from recent studies that suggest a dominant tectonic control on erosion in the Garhwal Himalaya and the eastern Himalayan syntaxis.

Dirk Scherler received a PhD in Geology from the University of Potsdam, after studies in Geography, Geology, and Macroeconomics at the Humboldt University and the Free University in Berlin. He's been a postdoc at the California Institute of Technology before he started his current position at the Free University and the GFZ German Research Centre for Geosciences. His research focuses on various processes that shape the surface of the Earth.



Layout: FUB GeoPal Medienbüro, Jan Evers 20150904

Institut für Geologische Wissenschaften

Großer Hörsaal (C.011), Haus C
Malteserstrasse 74-100
12249 Berlin



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