

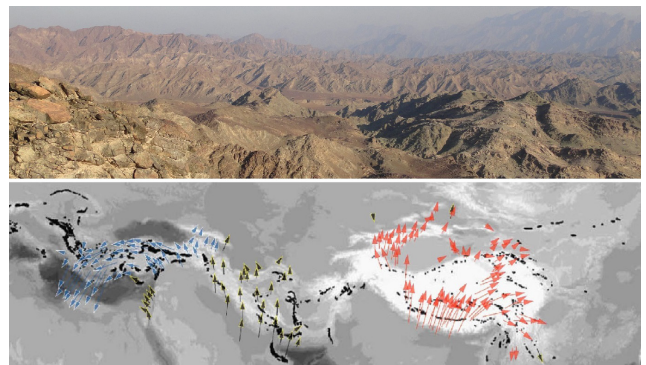
Geowissenschaftliches Kolloquium

Obduction: Why where and how. Clues from rocks and analog/numeric models

Donnerstag, 29. Januar 2015 - 16.15 Uhr

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Obduction remains a puzzling process with respect to why, how and where it develops, as it places unmetamorphosed fragments of dense, oceanic lithosphere („ophiolites“) atop light continental ones over distances of several hundred of kilometres. Based on field evidence and geodynamic models I herein show that this odd (and relatively rare) phenomenon is triggered by a combination of key geodynamic



boundary conditions and discuss rheological implications for the mantle and the crust.



Prof. Dr. Philippe Agard studied Tectonics and Metamorphic Petrology at Ecole Normale Supérieure, in Paris, where he completed his PhD in 1999. He is now Professor at UPMC (Université Pierre et Marie Curie) since 2009 and a Fellow of the Institut Universitaire de France. He is coordinating the ZIP Marie Curie network on Subduction zone plate interface processes.
<http://www.zip-itn.eu>

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