

# Geowissenschaftliches Kolloquium

## *Slippin' and slidin': capturing the Earth in motion below the seafloor*

Donnerstag, 21. Dezember 2017 - 16.15 Uhr

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Understanding submarine earthquakes, slides and tsunamis is fundamental to assessing marine geohazards. Short instrumental records, however, limit our perspective of maximum magnitude and recurrence. Examining past events archived in the marine geologic record provides the key to address this challenge. This talk summarizes recent efforts to study causes and consequences of submarine slides and earthquake-triggered sediment remobilization and reports on method-developments to unravel the event-stratigraphic record towards reconstructing past earthquakes and quantifying event-triggered carbon export to the deep sea.



**Prof. Michi Strasser** is Sedimentology Professor at the University of Innsbruck. He gained his PhD from ETH Zurich and was post-doc fellow and junior professor at the MARUM in Bremen and ETH Zurich, respectively. Important pillars of Strasser's research is the study of geological processes in lakes as models for Oceans, and his involvement in the International Ocean Discovery Program.

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