

Geowissenschaftliches Kolloquium

GOING DOWN!

- *Distinct Element Method models of the formation of pit craters and collapse calderas*

Donnerstag, 30. Oktober 2014 - 16.15 Uhr

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Calderas and pit craters are volcanic depressions formed by subsidence into a draining magma body. Such subsidence can amount to several hundreds of meters to several kilometres and can occur over time periods ranging from several days to weeks. This talk addresses the questions of (1) how such subsidence is structurally accommodated and (2) why the observed structures form in terms of the stresses related to magma chamber depletion.



Dr. Eoghan Holohan: Following a B.A. and PhD in Geology at Trinity College Dublin, he moved a short distance down the road for post-doctoral fellowships at University College Dublin, Ireland. Since then he work as a research scientist at GFZ-Potsdam, where his main research interest is the structural development of gravity-driven subsidence phenomena and how these relate to geophysical and geodetic data.

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