

Geowissenschaftliches Kolloquium

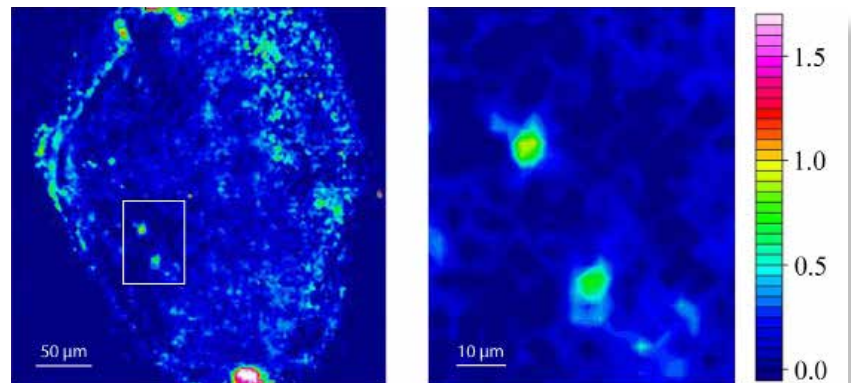
OH-defects in quartz as monitor for origin and provenance

Donnerstag, 12. Januar 2017 - 16.15 Uhr

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Quartz is a rock-forming mineral that crystallizes and/or anneals over a wide range of p-T-conditions in the Earth's crust. The amount and speciation of hydrous defects is sensitive to the formation and equilibration conditions and may thus be used as monitor for crystallisation conditions. In addition, grains from sedimentary rocks may be related to their source rock and source area.



- Study at University Göttingen,
- PhD at MPI in Mainz and University Frankfurt/Main,
- Postdoc at ETH Zürich and Naturhistoriska Riksmuseet Stockholm,
- Juniorprofessor at University Göttingen,
- Full professor at University Innsbruck.
- Current reseach: OH-defects in rock-forming minerals, geochemistry of fluid phases, halogens in the Earth's mantle, spectroscopic characterisation of geomaterials

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