

## モホール計画：マントル掘削プロジェクトの概要 The MoHole: Journey to the Earth's mantle

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The MoHole MDP proposal is planned to submit to International Ocean Discovery Program (IODP) in April 2012. This proposal has been compiled based on a series of workshops since 2006 (see <http://www.jp.mohole.org>). The goal of the MoHole project is to drill completely through intact oceanic crust formed at a fast spreading rate into the upper mantle. Full penetration and sampling of intact crust, Moho, and upper mantle in oceanic lithosphere will provide hitherto unattainable information on the composition and melting of the upper mantle, the construction and cooling of the oceanic crust, the chemical exchange between the crust and oceans, and the linkages between these processes including a global carbon cycle. In this contribution, we summarize the current activities and aspects related to the MoHole project.

MDP: Multi-phase Drilling Projects

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