

## 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

道林 克禎<sup>1\*</sup>, 海野進<sup>2</sup>, 阿部なつ江<sup>3</sup>, 安間了<sup>4</sup>, 富士原敏也<sup>3</sup>, 羽生毅<sup>3</sup>, 針金由美子<sup>5</sup>, 木村浩之<sup>1</sup>, 木村純一<sup>3</sup>, 小平秀一<sup>3</sup>, 熊谷英憲<sup>3</sup>, 森下知晃<sup>2</sup>, 中村謙太郎<sup>6</sup>, 野坂俊夫<sup>7</sup>, 小原泰彦<sup>8</sup>, 柵山徹也<sup>3</sup>, 佐藤壮<sup>3</sup>, 島伸和<sup>9</sup>, 高澤栄一<sup>10</sup>, 富永雅子<sup>11</sup>, 日本モホール計画研究者グループ<sup>12</sup>

MICHIBAYASHI, Katsuyoshi<sup>1\*</sup>, Susumu Umino<sup>2</sup>, Natsue Abe<sup>3</sup>, Ryo Anma<sup>4</sup>, Toshiya Fujiwara<sup>3</sup>, Takeshi Hanyu<sup>3</sup>, Yumiko Harigane<sup>5</sup>, Hiroyuki Kimura<sup>1</sup>, Jun-ichi Kimura<sup>3</sup>, Shuichi Kodaira<sup>3</sup>, Hidenori Kumagai<sup>3</sup>, Tomoaki Morishita<sup>2</sup>, Kentaro Nakamura<sup>6</sup>, Toshio Nozaka<sup>7</sup>, Yasuhiko Ohara<sup>8</sup>, Tetsuya Sakuyama<sup>3</sup>, Takeshi Sato<sup>3</sup>, Nobukazu Seama<sup>9</sup>, Eiichi Takazawa<sup>10</sup>, Masako Tominaga<sup>11</sup>, Japanese Group for the MoHole<sup>12</sup>

<sup>1</sup> 静岡大学理学部地球科学科, <sup>2</sup> 金沢大学理工研究域自然システム学系地球学コース, <sup>3</sup> 海洋研究開発機構地球内部ダイナミクス領域, <sup>4</sup> 筑波大学生命環境科学研究科, <sup>5</sup> 産業技術総合研究所地質情報研究部門, <sup>6</sup> 海洋研究開発機構プレカンブリアンエコシステムラボラトリー, <sup>7</sup> 岡山大学理学部地球科学科, <sup>8</sup> 海上保安庁海洋情報部, <sup>9</sup> 神戸大学理学研究科地球惑星科学専攻, <sup>10</sup> 新潟大学理学部地質科学科, <sup>11</sup> ミシガン州立大学地球科学科, <sup>12</sup> 複数の研究機関と大学

<sup>1</sup>Institute of Geosciences, Shizuoka University, <sup>2</sup>Earth Science Course, School of Natural Science, Kanazawa University, <sup>3</sup>IFREE, JAMSTEC, <sup>4</sup>Graduate School of Life and Environmental Science, University of Tsukuba, <sup>5</sup>Institute of Geology and Geoinformation, AIST, <sup>6</sup>Precambrian Ecosystem Laboratory, JAMSTEC, <sup>7</sup>Department of Earth Sciences, Okayama University, <sup>8</sup>Hydrographic and Oceanographic Department, Japan Coast Guard, <sup>9</sup>Department of Earth and Planetary Sciences, Kobe University, <sup>10</sup>Department of Geology, Niigata University, <sup>11</sup>Department of Geological Sciences, Michigan State University, <sup>12</sup>Research Institutes and Universities

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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