

# “On-land investigation of a sea-floor spreading in Ethiopia”

## Geo-electromagnetic research at the center of a divergent plate boundary in Afar depression, Ethiopia

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In order to clarify the formation process of magnetic stripes and structure under a sea-floor spreading center at the divergent plate boundary, we are performing an on-land geo-electromagnetic research project in Afar Depression, Ethiopia, where we can investigate into a subaerial sea-floor spreading center directly. We will show the outline of our project, and report our research activities in 2016-2019 fieldworks and preliminary results.

Keywords: divergent plate boundary, sea-floor spreading, magnetic anomaly, geo-electromagnetic surveys, small unmanned aircraft