

The third dimension of the ultramafic-hosted Logatchev-1 hydrothermal field: sulfide formation, evolution, and fluid flow in the subseafloor.

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The overall goal of this project is, to establish the subseafloor extent and variability of hydrothermal mineralization in an ultramafic environment. We will use the remotely operated Rockdrill 2 of the British Geological Survey to sample 15 m long cores from the active Logatchev-1 hydrothermal field located at 14°45'N on the Mid-Atlantic Ridge. Geochemical, mineralogical, and isotopic investigations of hydrothermal precipitates and mineralized