

## Study on deep geological environment - Regional Hydrological Study and Mizunami Underground Research Laboratory projects -

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Tono Geoscience Center,Japan Nuclear Cycle Development Institute is conducting two projects about the deep geological environment. One is the Regional Hydrological Study project and the other is the Mizunami Underground Research Laboratory (MIU) project. The aim of these projects is to establish the investigation technologies to understand the geological environment of deep underground and verify the investigation results. For this purpose, surface-based investigations that consists of geological study, hydrological study and hydrogeochemical study are conducted in each area. Also eleven 500-1000m deep boreholes have been drilled in the area of the Regional Hydrological Study project and three 1000m deep boreholes have been drilled in the area of the MIU project.

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