

## **Multiple lines of evidence for hydrogeological characterization in Mizunami Underground Research Laboratory Project**

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The Mizunami Underground Research Laboratory (MIU) is now under construction by Japan Atomic Energy Agency in the Cretaceous Toki granite in the Tono area of central Japan. The project is implemented in three overlapping phases: Surface-based Investigation (Phase 1), Construction (Phase 2) and Operation (Phase 3), with a total duration of 20 years. Phase 2 of the MIU project is now carried out. The long-term monitoring, which are hydro-pressure, surface tilt and self-potential measurement, are carried out in/around the MIU construction site.

This paper shows the possible application of using long-term monitoring data for characterizing the hydrogeological structures of the site.