

Influence of surrounding host rock by active fault movement

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In the assessment of HLW disposal, as one of the issues to be solved in the future, the influence of active faults has been investigated. The purpose of this study is to understand the concrete influence concerning rock mechanics, hydrology and groundwater geochemistry by the movement of active faults in Japan.

As one of the case studies, the Atera active fault has been investigated. Especially, the mapping of fracture patterns as well as fracture density analysis are conducted.

In this paper, preliminary data will be reported and discussed.