

## Estimation of groundwater residence time in Mt. Iwaki

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Mt. Iwate, called Tsugaru-Fuji, is a stratovolcano located to the southwest of Hirosaki City. Many springs distribute at the foot of volcano body. We used transient tracers such as <sup>3</sup>H, CFCs and SF<sub>6</sub>, to estimate the residence time of the springs. Based on the CFCs and SF<sub>6</sub> results, the residence time of the springs in Mt. Iwaki were estimated to be 20 to 30 years.

Keywords: Mt. Iwaki, groundwater age, Tritium, CFCs, SF<sub>6</sub>