

## Trench excavation surveys on the Otake fault and the Hatakitoge fault, Iwakuni fault zone, Yamaguchi Prefecture, Japan

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The NE-SW trending Iwakuni fault zone in southwest Japan consists of many right-lateral strike-slip faults, which are considered to be low activity ones. We conducted two trench excavation surveys on the Otake fault and the Hatakitoge fault in the Iwakuni City in order to obtain the paleoseismological parameters and related fault gouges for evaluating earthquake potential. Based on the trench wall observation and radiocarbon dating, the latest faulting event of the Otake fault is after 2,800 cal yBP. This work was supported by Japan Nuclear Energy Safety Organization.

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