

# The late Quaternary activity of the Uozu fault zone inferred from higher terrace surfaces in the eastern part of Toyama Prefecture

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We intend to evaluate the late Quaternary activity of the Uozu fault zone in the eastern part of Toyama Prefecture. Higher terrace surfaces such as the Junikanno and the Tofukujino surfaces are severely deformed by the Uozu fault (Ikeda et al., 2002), but the formation ages of higher terrace surfaces are not well known. Therefore, we estimate the formation ages of higher terrace surfaces from air-photo interpretation, field survey and chemical analysis of tephra particles in loess deposits. The Junikanno surface may be correlated to the Tofukuji surface which is estimated to form at 250-300ka. Activity (vertical slip) on the Uozu fault zone is middle-B class inferred from fault displacement on the Junikanno surface.