

# The crustal activity in northern Kinki district &#8211; model and earthquake prediction-

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The micro-earthquake activity in northern Kinki district has been reiterated active and non-active period every several years. Why does the seismic active and non-active

reiterate ? We think a change of pore pressure of the cracks filled with the fluid. The fluid may be supplied from a part of plate which is isolated from the Philippine sea plate. After low active period of the seismicity, in generally, some earthquakes with magnitude 4-5 occur in this district. The seismic activity has been low from three years before of the 1955 Hyogo-ken Nanbu earthquake. But, it changed for active from before half year of the earthquake. From March 2003, the seismic activity has been low.

We have to notice the seismicity in the low active period.