

Process by which intraplate earthquakes are generated -Summary of the progresses in this ten years-

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In recent year, a lot of progresses have been accomplished about the process by which intraplate earthquakes are generated. The downward extension of the seismogenic fault in the lower crust plays an important role in the process. The ductile deformation of it can explain the stress accumulation process for intraplate earthquakes under occurrence of interplate earthquakes. The qualitative model had been constructed, however, quantitative models are still preliminary ones. We have to clarify the width, geometry, viscosity and stress field of the downward extension, to quantitatively simulate stress accumulation process for intraplate faults. Also, anelastic deformation in the upper crust is a remained important issue, to forecast intraplate earthquakes.