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Active tectonics of the southern Northeast Japan

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We review recent advances on an understanding of active tectonics across the southern Northeast Japan, focusing on newly obtained, late Pleistocene to Holocene stratigraphic data on basin and terrace deposits, and shallow to deep seismic profiles, and geomorphic signatures of active structures. In particular, we emphasize that meso-scale topography of the southern NE Japan arc can be subdivided by domains based on tectonic activity and intracontinental deformation, comprised by backarc fold-and-thrust belt, backarc regional subsidence and uplift bounded by active fold and thrust belts, Ou backbone ranges, and forearc uplift.

Keywords: Active tectonics, Tectonic Geomorphology, Active fault, Quaternary, Seismic reflection profiling, Southern Northeast Japan