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## Reinterpretation on geometry of the major active fault zones for their segmentation in northern Kyushu, Japan

# Kaoru Taniguchi[1]; Takashi Nakata[2]; Mitsuhisa Watanabe[3]; Yasuhiro Suzuki[4]; Hiroyuki Tsutsumi[5]; Hideaki Goto[6]; Taniguchi Kaoru Research Group for Active Fault Geometry and Segmentation[7]

[1] ERC, ADEP; [2] Hiroshima Inst. Tech.; [3] Fac.Sociol. Toyo Univ.; [4] Nagoya Univ.; [5] Dept. Geophysics, Kyoto Univ.; [6] Hiroshima Univ.; [7] -

Location and geometry of the Major Active Fault Zones are the most basic data for the long-term earthquake risk evaluation by the Headquaters for Earthquake Research Promotion that applies length of active fault to estimation of magnitude of future earthquakes. Since active fault zones (systems) are generally composed of several active faultsegments, it is important to identify a group of segments that will move simultaneously in future. Thus, unreliable information regarding location and geometry of the active fault zone often causes inappropriate estimation in the long-term risk evaluation.

We carried out careful interpretation of large scale air photographs in northern Kyushu for more detailed mapping of active fault traces based on observation of minute tectonic landforms. Results of our interpretation provide important data to reconsider about length of the fault zones and their segmentation for more reliable risk evaluation.

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