

New Active Fault Mapping with a Scale of 1 to 25,000 and Digital Database by using GIS

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Active fault data has been widely used especially after the Hyogo-ken nanbu earthquake. The source data mostly comes from Active Faults in Japan: Sheet Map and Inventories (revised edition, Univ. Tokyo Press, 1991, (AFbook)) since this is only one that systematically covers all over Japan. However, the scale of maps is 1:200,000 and this is insufficient for recent detailed scientific and engineering researches. The purposes of our new project are (1)to provide maps of active fault distribution with a scale of 1:25,000 covering all over Japan, (2)to make digital data set of active fault distribution by using GIS, and (3)to prepare fault parameters for this new data by compiling previous results and/or conduct field surveys.