

## New research plan to evaluate the future activity of the Itoigawa-Shizuoka Tectonic Line

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In order to assess the potential for the surface-rupturing earthquakes precisely, we plan to study the Itoigawa-Shizuoka Tectonic Line (ISTL) from 1998 to 2002, using drilling, trenching and seismic reflection techniques. In particular, we focus on the solution for the fault segmentation problem to estimate various types of large earthquakes and their frequencies expected from the long ISTL fault system.

In the first year (1998), we revealed the paleoseismicity and fault geometry along the southern part of the ISTL, and discussed the possibility of the multiple ruptures with the central part.