Offshore active fault survey "Futagawa-Hinagu Fault Zone" -Outline and main survey results

Kyoko Kagohara\textsuperscript{1}, Izumi Sakamoto\textsuperscript{2}, Yoshiyuki Takino\textsuperscript{2}, Naoto Inoue\textsuperscript{3}, Naoko Kitada\textsuperscript{3}, Tomoo Echigo\textsuperscript{3}

\textsuperscript{1}AFERC, AIST, \textsuperscript{2}Tokai Univ., \textsuperscript{3}GRI

The 100-km-long Futagawa-Hinagu Fault zone distributed from piedmont of the Aso volcano to the Yatsushiro Sea. The south-western extent of fault zone composed many NE-SW trending faults, mainly right-lateral strike-slip faults, in the Yatsushiro sea bottom. We conducted a combined survey of the Yatsushiro sea fault group, as a part of the 2010 offshore active fault survey project of MEXT. The survey comprises high-resolution multichannel sonic survey, ultra-high-resolution sonic survey and paleoseismological piston coring to clarify the fault-trace distribution, its activity and faulting history.

Keywords: Futagawa-Hinagu Fault Zone, Offshore, active fault, sonic survey, piston-core, strike-slip fault