

Results of the High-resolution seismic survey for the offshore extension of the Futagawa-Hinagu fault zone

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Futagawa-Hinagu fault zone (mainly right -lateral strike-slip faults) extends from Aso volcano to the Yatsushiro-sea (The Headquarters for Earthquake Research Promotion, 2002). A number of faults exist in the Yatsushiro-sea bottom.

In acroteric part of strike-slip fault annihilation mechanism, develop complex structures (e.g. Kakimi and Kato, 1994). To comprehend these structures, it is necessary construct the research technique with three-dimensionally and high precision (Abe and Aoyanagi, 2004).

We have carried out the high-resolution seismic survey to comprehend the deformation structures of fault at Yatsushiro-sea. Furthermore, we plan to submarine topography survey and piston coring in the future

Keywords: Futagawa-Hinagu fault zone, right-lateral strike-slip fault, High-resolution seismic survey