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HDS029-02

Room:302

Time:May 24 11:00-11:15

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

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The 100-km-long Futagawa-Hinagu Fault zone distributed from piedmont of the Aso volcano to the Yatsushiro Sea. The southwestern 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