

Submarine landslides in an active forearc basin (Eastern Nankai Trough area)

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Most of landslide analyses in offshore regions have been spotted in passive continental margins, where glacial-interglacial interaction could activate submarine landslides. These previous studies commonly focus on morphometric feature and distributional pattern of submarine landslide itself, and less on its structural and stratigraphical conditions. Understanding such geological knowledge on landslide regions would be helpful for geohazard assessment and resource development, especially in plate convergent zones. In this meeting, we present seismic and balanced cross sections of mass transport deposits in a Pleistocene forearc basin along the Eastern Nankai Trough to discuss tectono-stratigraphic impact on active-forearc landslides. This study was financially supported by METI and MH21 Research Consortium.

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