

海底液状化土砂流動：特性と社会への潜在的インパクト Submarine Liquefied Sediment Flows: Characteristics and Their Potential Impacts on Societies

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Subaqueous sediment gravity flows (SSGF) have become an increasingly important subject for research in relation to geomorphodynamics of sediment routing systems connecting river basins, estuaries and coastal oceans. Also, submarine landslides and flow slides have received considerable attention in view of their destructive power and associated consequences in nearshore and offshore facilities. Fluid-sediment interaction is a key process that features any SSGF. Here, I summarize some recent research advances on the characteristics and dynamics of submarine liquefied sediment flows and discuss their potential impacts on societies involving Tsunami.