The integral place of specialist core logging in the investigation of frequency and magnitude of submarine mass movements

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Abstract

The poster demonstrates the integral place of detailed sedimentological and ichnological logging of specially acquired long piston cores at the heart of the investigation into the frequency and magnitude of submarine mass movements. Specifically, it will be shown that the intelligent integration of the results from the specialist geohazard core logging with ultra high resolution AUV CHIRP data can significantly reduce the risk profile of submarine mass movements to hydrocarbon field developments, and pipeline routing and design. Examples will be provided from recent work undertaken by the authors in the Mediterranean Sea.