

Linking Onshore-to-Offshore Sediment Dispersal: Recent Understanding of Source-to-Sink System

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I briefly review a recent understanding of source-to-sink system and introduce some applications of its analysis. The source-to-sink system covers a suite of erosion, transportation, and deposition of sediments from catchment to deep-marine basin floor, and its analysis adopts both the sedimentological and morphological knowledge of any erosional-depositional system. Such a concept and approach have attracted increasing attention, especially from industries, to predict semi-quantitative characteristics in relationship between offshore sandstone distribution and onshore catchment evolution through geologic time.

Keywords: Source-to-sink system, Sediment dispersal, Linkage of offshore stratigraphy to onshore (paleo-)topography