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Continental slope sedimentary systems: Processes, products and controls

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Continental slopes link the shallow-and deep-water environments of continental margins. Down-and along-slope sedimentary processes contribute to the evolution of continental slopes. Their combination determines the sediment flux and the burial or remobilization of organic matter and pollutants. Seafloor topography affects sediment transport and depositional processes and contributes to sediment instability and widespread submarine landslides. Continental slopes are a mosaic of complex environments, with varied interacting control mechanisms. As such, they are best studied through integrated studies that span spatial and temporal scales: observations of modern systems, subsurface studies and high-resolution outcrop investigations. We invite contributions aimed at unravelling the process-product relationships that control continental slope evolution. In particular, we welcome contributions that differentiate allogenic and autogenic processes, and their relative influences and expressions on deep-marine sedimentary processes and depositional systems. We encourage studies that contribute to applied research with societal impact, such as resource exploitation, submarine hazard understanding and mitigation, climate change, organic matter and pollutant distribution and storage.