



Using R to unravel animal-sediment interactions.

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Marine sediments are often characterized by seabed features ranging from small sand ripples to large sandbanks. These sediments also form the living space of many marine organisms, impacting the sediment dynamics and the geochemical cycles. In a number of projects in the Northsea, we have started to investigate these interactions, combining field sampling with laboratory experiments and modelling. R is used to interpret the various data sets and to model the effects of biology and geomorphology on the geochemistry. I will discuss these new developments in R, based on my previous R-work (packages FME, ReacTran, deSolve, rootSolve, plot3D, marelac).