

Better physics for coastal dynamics

Sediment transport

The relationship between grain size and critical shear stress is not linear.
it is strongly dependent of the nature of the bed sediments.



Cohesiveness results from the presence of clay in the sediment.

Clay particles tend to form aggregates in which the individual flakes are held together by **electrostatic attraction** and the **surface tension** of the films of water surrounding the flakes.

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relationship between averaged
grain size and averaged current
speed required to erode them

