

Modelling Coastal Pollution

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Coastlines are key regions for human inhabitation and important sources of economic activity and cultural value. Pollution, from macro litter to micro plastics, is commonplace and increasing. This PhD project focusses on modelling coastal pollution, combining transport phenomena with wave mechanics. We aim to understand the role of winds, waves, currents, and bathymetry on a range of scales for this problem using a combination of analytical, statistical, and numerical techniques.