

## COASTAL STRUCTURE VULNERABILITY TO SEA LEVEL RISE: INITIAL RESULTS

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Sea walls are designed with the hypothesis of stationarity in sea level and wave climate. However, climate change nullifies this hypothesis, and the vulnerability of current sea wall assets will need to be determined against these changes.

COASTVUL-SLR: Coastal Structure Vulnerability to Sea Level Rise is a Lloyds Registry funded project whose aim is to assess the changes in over-topping and wave forces on a seawall as a function of sea level. Experiments of wave impacts on sea walls are conducted at the University of East London under different antecedent sea level scenarios. This presentation will highlight the preliminary results of these experiments and discuss future work and knowledge gaps.