## New developments in numerical modelling

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Wave propagation



## Background

Nowadays, the development

of infrastructures on the coast requires a thorough understanding of all the different coastal processes. Numerical modelling is a suitable tool to investigate these physical processes and to deliver valid, accurate and usable solutions.





Simulation of a Wave Energy Converter farm using MILDwave around a single Wave Energy Converter (WEC) using OpenFOAM Coupling strategy of two models to study far field impact of WEC farms







Simulation of the porous flow field inside a rubble mound breakwater using FLOW3D

Design of the current generation system in the Coastal and Offshore Basin (COB) using Simerics

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