

3D numerical ocean modelling. Recent developments of the CROCO model towards high resolution simulations.

Laurent Debreu

INRIA AIRSEA - Grenoble.

Work in collaboration with F. **Auclair**, P. **Marchesiello** and R. **Benshila**

This talk will review the on-going developments of the CROCO model (<http://www.croco-ocean.org>) towards high resolution (coastal and littoral) 3D numerical simulations. In particular, it will address its multiresolution features based on block structured meshes and the treatment of non-hydrostatic processes using a pseudo-compressibility approach.