

TUGOm – progress, application and testing

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T-UGOm (Toulouse Unstructured Grid Ocean Model) is designed to be a flexible triangular grid model for research and application to ocean scales from nearshore to global. It is written in C++, with many options, such as fe/fv geometry, solution modules and major parameterization runtime selectable. This setup allows us to explore the suitability and efficiency of different model configurations. The presentation will give a report on the model development, describe some of the applications for which it has been used and outline a suite of tests performed on each version of the model. These test results are compared to results from other FE, FV and FD models.