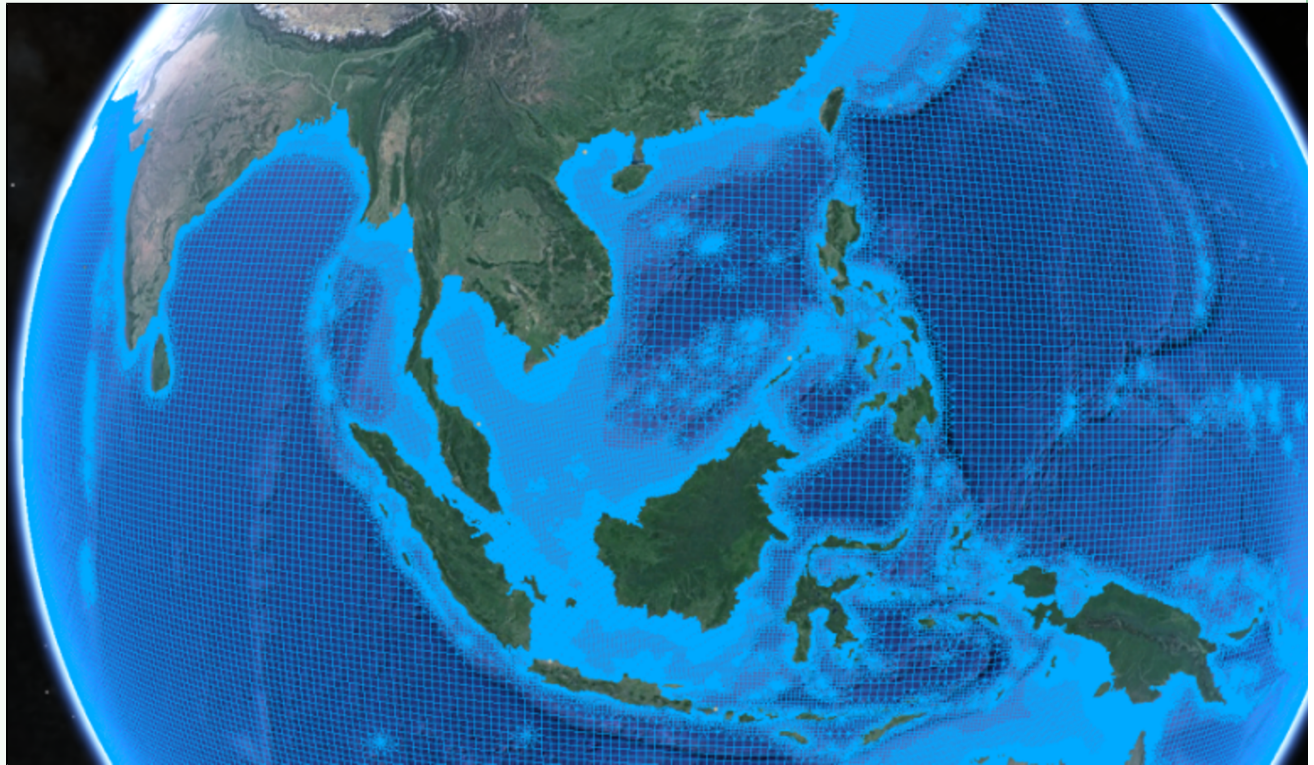


Global Tide and Surge Model



Welcome to the Global Tide and Surge Model homepage!

The Global Tide and Surge Model (GTSM) is a depth-averaged hydrodynamic model, developed by Deltares, with global coverage. GTSM is based on [Delft3D Flexible Mesh software](#) and has a spatially varying resolution which increases towards the coast. GTSM can be used to simulate water levels and currents, that arise from tides and storm surges. There is a broad range of applications and (research) projects which make use of GTSM. On this page, we provide an overview of the [main developments](#) and [applications](#). We also include a [list of publications](#) that make use of GTSM. General info and contact persons can be found on <https://www.deltares.nl/en/projects/global-modelling-of-tides-and-storm-surges/>



Grid of the Global Tide and Surge Model for Southeast Asia.

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