

Eighth GEBCO Science – presentation abstract

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Oral presentation title: Bathymetric Uncertainty Estimation for Interpolators Inherently Lacking this Estimate

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Abstract

Gridding algorithms used for geophysical data often lack an inherent estimation of uncertainty. This paper proposes an applicable uncertainty estimation algorithm.

It uses a combination of:

- 1) The initial uncertainty estimator from the Combined Uncertainty and Bathymetry Estimator algorithm that is augmented for bottom slope considerations.
- 2) Delaunay triangularization for nearest neighbor search.