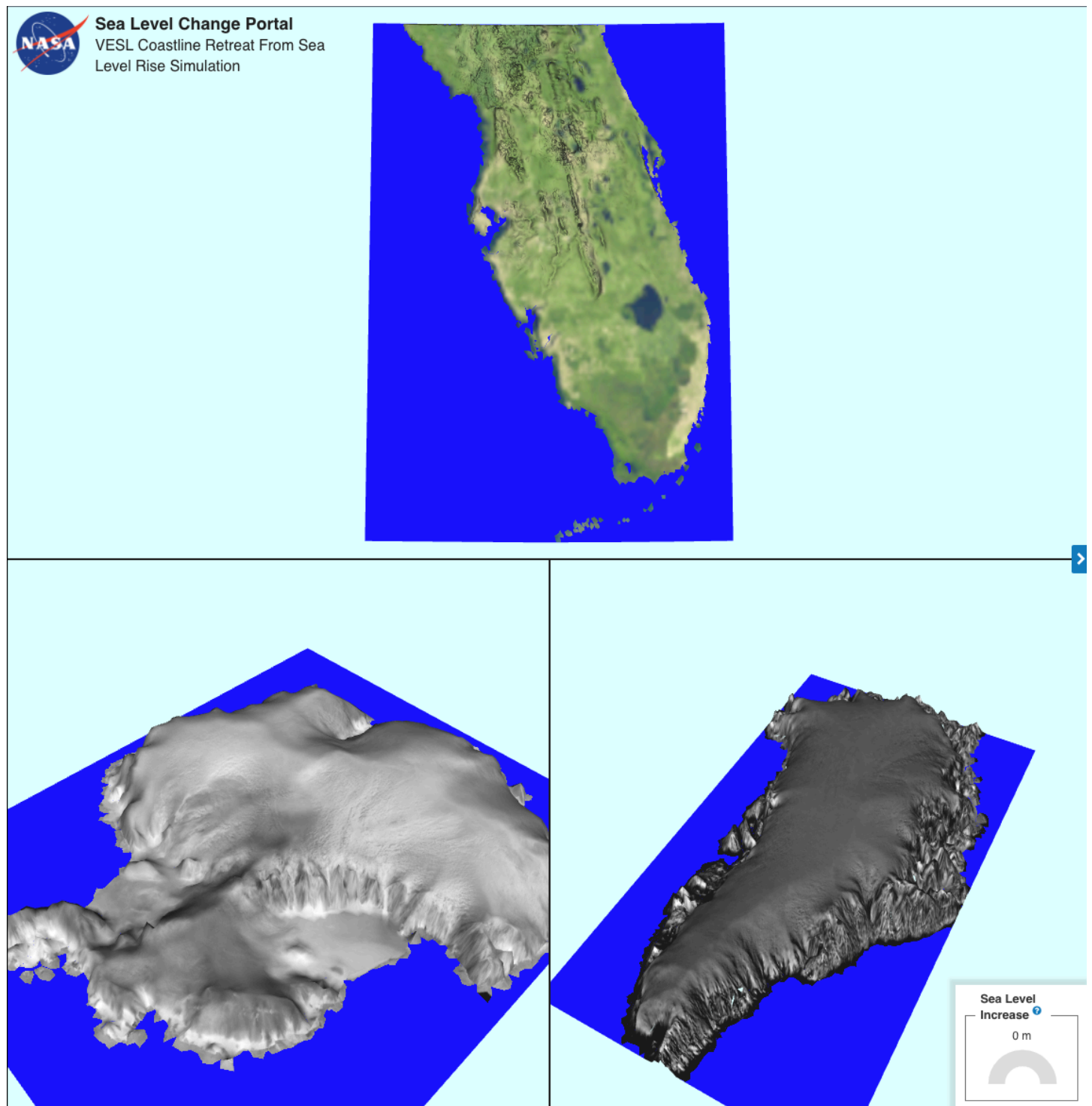


# Sea Level Change Portal - Coastline Retreat From Sea Level Rise Simulation



Check out [this interactive data visualization and simulation tool](#). It explores the impact of collapsing

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polar [ice sheets](#) ([Greenland](#) and [Antarctica](#)) and their impact on global mean [sea level rise](#), along with shrinkage in the livable area around the world. Here, we look at US coastal areas, and how shoreline would retreat if [Greenland](#) and [Antarctica](#) were to dramatically decrease in volume.

## How to Run the Simulation

Remove a certain amount of ice (relative percentage of the overall mass) from [Antarctica](#) and/or [Greenland](#) using the corresponding sliders (in the "Controls" drawer pane). The ice can be removed from all [basins](#) or from a specific basin by using the select menu. The resulting shrinkage of the [ice sheets](#) will be displayed in the initial frame, along with shoreline retreat and global mean [sea level rise](#).