

## **CONNECTICUT COASTAL HAZARDS DATA PORTAL AND VISUALIZATION TOOL**

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Connecticut's coast is densely populated and full of expensive real estate. In some towns, critical infrastructure such as road, rail, and public drinking water and sanitation facilities are close enough to sea level to be threatened by flooding and erosion. Accelerated sea level rise and the potential for stronger, more frequent storms will make these hazards worse. However, Connecticut's current hazards planning does not account for these future scenarios.

The Connecticut Coastal Hazards Data Portal and Visualization Tool is a website (currently under construction) that provides a foundation for more comprehensive coastal hazards management planning by centralizing, analyzing, and displaying information about coastal hazards and coastal hazards management for a wide audience, including coastal managers, regional planners, municipal officials, property owners and the general public.

In addition to information about coastal hazards in Connecticut, including mitigation and adaptation resources, the contents of a recently completed State of Knowledge Report, photo galleries, links to buoys, webcams, storm prediction centers, and a pithy primer, the website will also contain a map and visualization tool that features two forms of inundation modeling.

One model estimates the extent of inundation across various scenarios of sea level rise. Another estimates the extent of inundation from storm surges associated with various hurricane scenarios. In addition to the output from the inundation models, the digital map will include other spatial data such as aerial photography, land-use, historic shorelines, critical infrastructure, FEMA flood zones, etc.

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