Enhanced data-visualization tools help New Jersey communities plan for climate change

Planners in New Jersey have a new set of decision-support tools to help prepare their communities for climate change. The tools are part of a suite of data-visualization and mapping applications known as NJADAPT developed at Rutgers University under the umbrella of the NJ Climate Change Resource Center.

Additions to NJADAPT include “a Climate Dashboard of projected climate trends and statistics by season; improved Climate Snapshots about the people, places and assets at risk by municipality, county, and statewide; and NJ HazAdapt, which was developed with the NJ Office of Emergency Management to aid in county and local hazard mitigation plans,” explains Lucas Marxen, associate director of the Rutgers Office of Research Analytics and a key member of the NJADAPT team.

Enhancements to NJADAPT also include a primer on coastal flooding and an overview of a climate planning tool designed to analyze coastal flooding vulnerability.

"A main function of the NJ Climate Change Resource Center is to provide useable science to help New Jersey communities and decision makers plan for the cascading impacts of warmer temperatures, more intense precipitation, and sea level rise,” notes Marjorie Kaplan, Resource Center co-director. “Expanding NJADAPT gives communities more tools to use to prepare for the climate-related impacts we’re already experiencing and will continue to see in the future."
Infographic: New Jersey Climate Change by the Numbers

A decade after Sandy, New Jersey continues to grow warmer, wetter, and more prone to flooding.

How have conditions changed? What can we expect in the coming years? What’s at stake for the Garden State?

See our infographic for the numbers behind the story.

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