

COMMUNITY RESILIENCE

Sea Grant helps communities

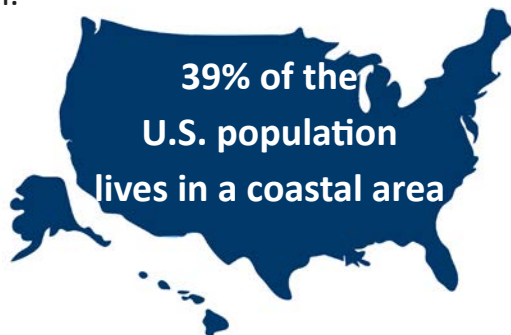
PLAN, ADAPT, & RECOVER

For the Sea Grant network, resilience is more than a buzzword. For 50 years, researchers and outreach specialists have been identifying hazards not only from storms but also from long-term coastal dynamics — geological, ecological and economic, just to name a few.



Photo: Delaware Sea Grant

Communities seek Sea Grant expertise to support and sustain diverse and vibrant economies. This includes effectively planning for, responding to and recovering from natural and technological hazards, and finding ways to effectively function within limits of their respective ecosystem.



730

Resilience-focused trainings provided by Sea Grant, 2015 reporting year

570

communities working with Sea Grant to implement sustainable development

100+

tools available in the National Sea Grant Resilience Toolkit

19

Sea Grant programs are Weather-Ready Ambassadors

\$16 Million

dedicated to resilience efforts by Sea Grant programs each year

23

Sea Grant programs work on rip current research and/or awareness as a significant portion of their program

Sea Grant's community resilience work spans a broad spectrum, including

PREPARING COMMUNITIES FOR QUAKES, TSUNAMIS

Coastal communities and state agencies in Oregon are better prepared for "The Big One" and it's not a hurricane. Thanks to the work of Oregon Sea Grant, residents, businesses and leaders are planning for potential earthquakes, of up to magnitude 9.0 or higher, and resulting tsunamis.

CHARTING COURSES FOR MARINAS POST-SANDY

Marinas devastated by Superstorm Sandy were among the massive economic impacts from the coastal storm. New York's governor asked Sea Grant experts to work alongside agency and business partners on a task force to speed the recovery of the recreational boating industry. So far, marina facilities have received \$10 million in grants through the New York Rising Small Business Recovery Program.



RECOVERING FROM EPIC HURRICANES

Hurricanes Katrina and Rita are more than a decade past, but some Louisiana communities are still in recovery mode. Less than 70 percent of the Cameron Parish and St. Bernard Parish populations, each devastated by different storms, have returned since the hurricanes of 2005. Long after the adrenalin rush following the storms, Sea Grant extension specialists are helping dozens of communities plan and ultimately rebuild in more sustainable ways.

IMPROVING SURF-ZONE SAFETY

Heading to the beach? Avoid rip currents that cause 80 percent of surf-zone rescues. North Carolina, Delaware and Michigan Sea Grant programs are among leaders not only in the *Break the Grip of the Rip*™ campaign that provides signs and videos to raise awareness, but also in collaborations to improve research and outreach with the National Weather Service, National Ocean Service, U.S. Lifesaving Association and shorefront communities.

FACILITATING A WEATHER-READY NATION

Warnings from the National Weather Service now focus on specific potential impacts from an approaching system. The Sea Grant Great Lakes Social Science Network provided key research results to make those warnings easier to understand, including specific actions to take. In the Northeast, Sea Grant engaged Emergency Managers in developing emergency communication plans. It's all part of being a Weather-Ready Nation.



NOAA Sea Grant
seagrant.noaa.gov

