



Impact

Designing better warning systems for better disaster response

NSF-funded scientists worked with the National Weather Service to better communicate the risks of weather emergencies



Researchers assess storm damage after Hurricane Sandy.

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When a severe storm approaches, how a person responds can be a matter of life and death. Human response in the face of disaster greatly depends on how weather experts communicate the risks.

NSF-funded scientists worked with the National Oceanic and Atmospheric Administration (NOAA) and National Weather Service emergency responders to improve the communication of risks related to weather emergencies. For example, storm surge -- rather than wind speed -- is typically the deadliest and costliest force in a hurricane.

Informed by NSF's research, NOAA now uses dynamic displays of storm surge presented visually to better communicate hurricane risks.

NSF Directorate(s):

Directorate for Social, Behavioral & Economic Sciences

Locations

Colorado


Related Awards

[#0838702 Collaborative Research: Examining the Hurricane Warning System: Content, Channels, and Comprehension \(/awardsearch/showAward.do?AwardNumber=0838702\)](#)

Related Websites

NHC Active Tropical Cyclones: <http://www.nhc.noaa.gov/cyclones/> <<http://www.nhc.noaa.gov/cyclones/>>

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