

4th Gilbert F. White Flood Policy Forum

George Mason University

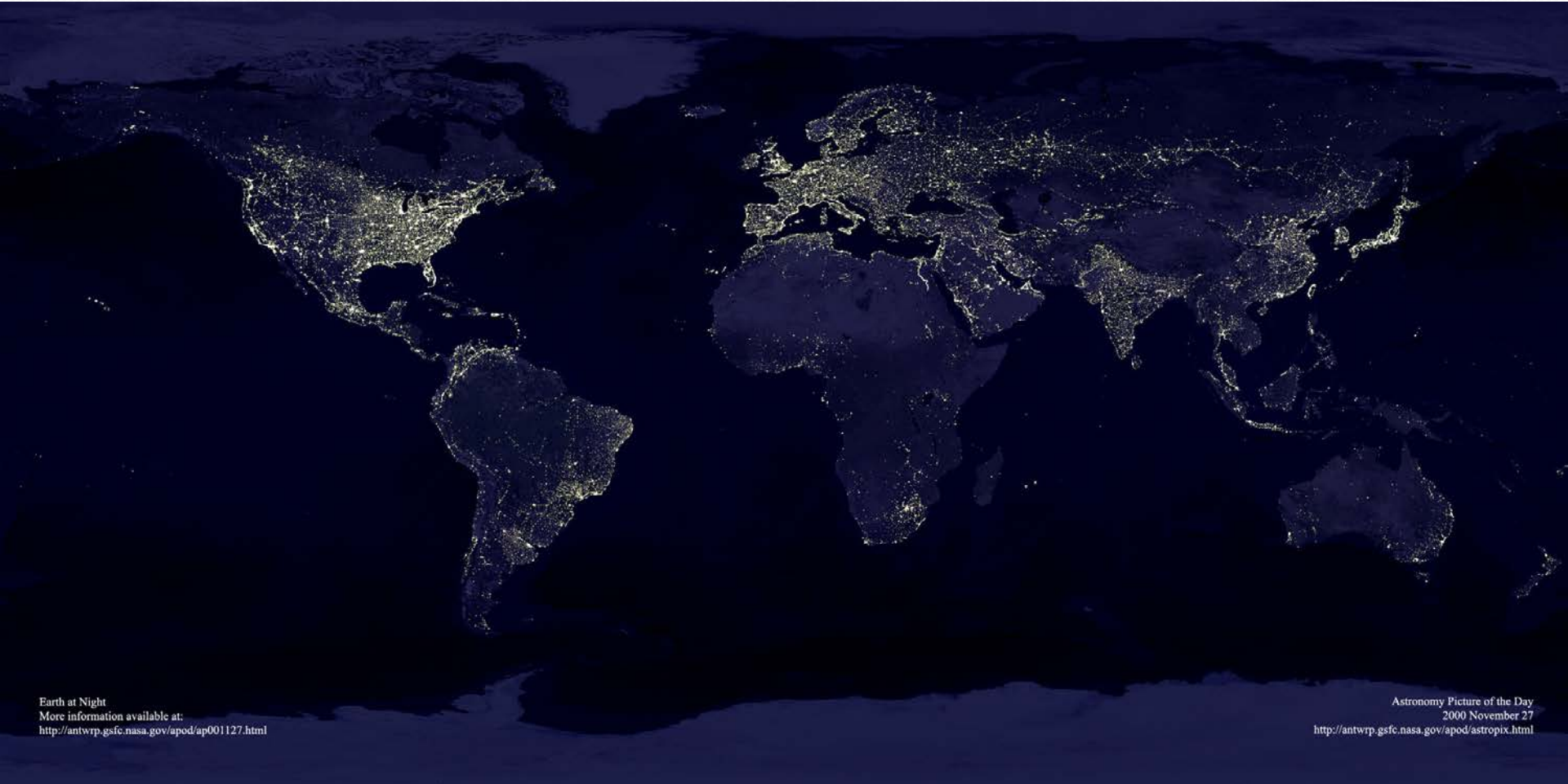


Doug Mills, The New York Times/AP

Margaret A. Davidson
National Oceanic and Atmospheric Administration



Coastal Vulnerability Around the World



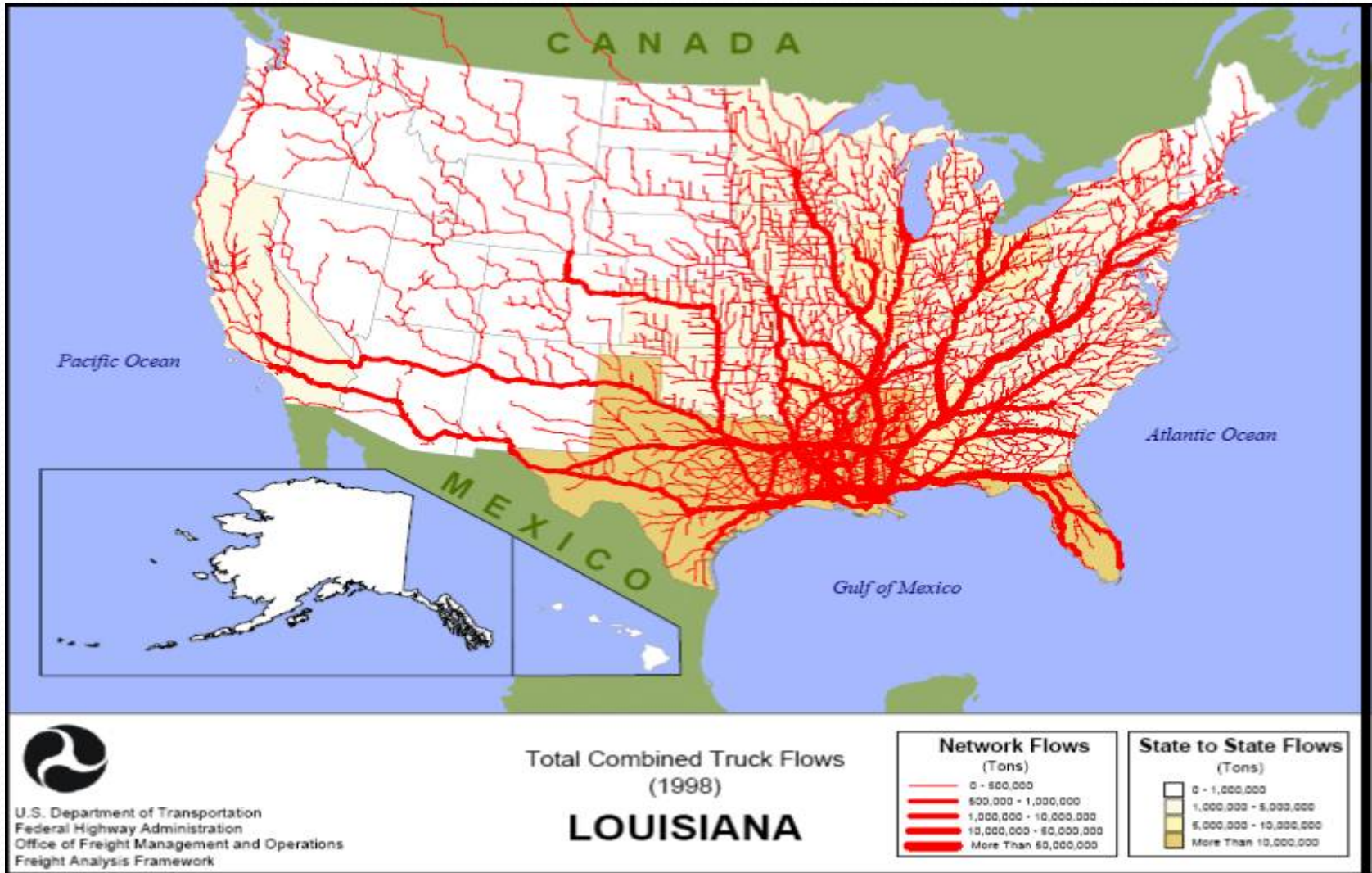
America Was Born on the Coast



Americans Need Resilient Coasts



Coastal Nation – Even in the Heartland

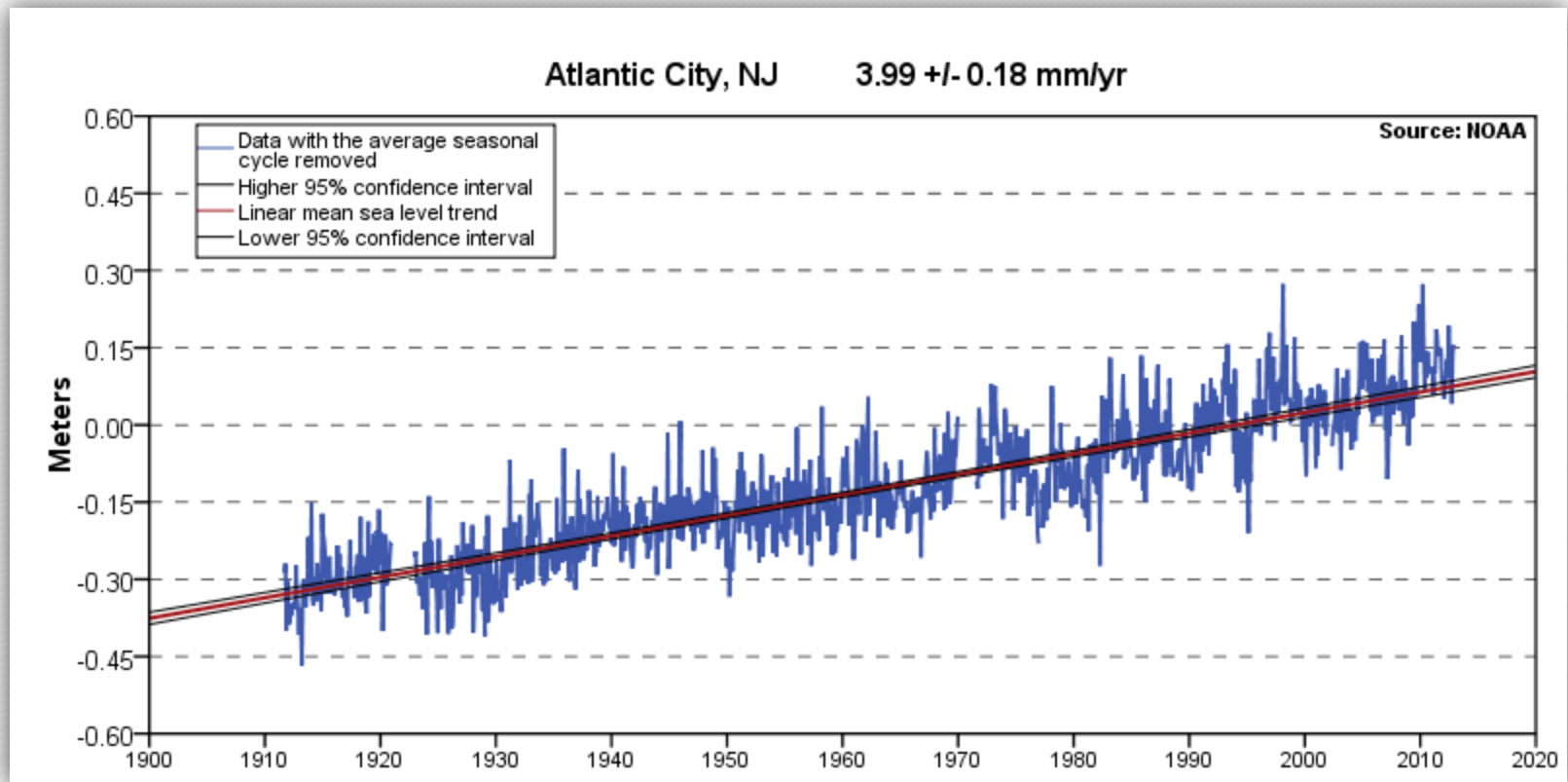


Billion Dollar Disasters: Fact of Life

A Record 14 Disasters in the U.S. in 2011
Three more approaching \$1B



Sea Level Trend: Atlantic City, NJ



Mean Sea Level Trend

Determining Risk

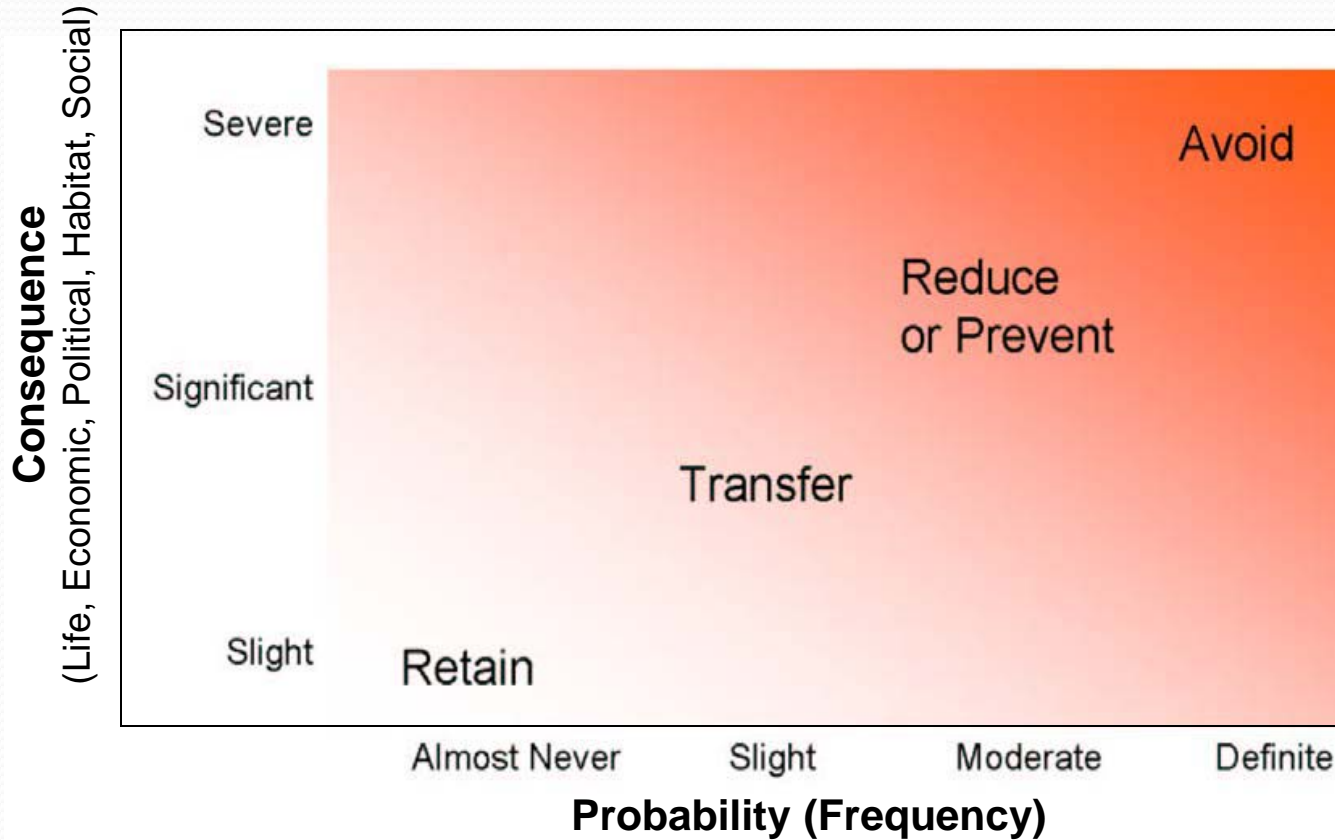


Chart courtesy of Western Kentucky University

Sandy: A Turning Point?



Managing Risk: Who Pays?



Shared Flood Risk Management: Buying Down Risk



Green/Gray Infrastructure



Not Waiting for a Disaster to Achieve Better Resilience Today

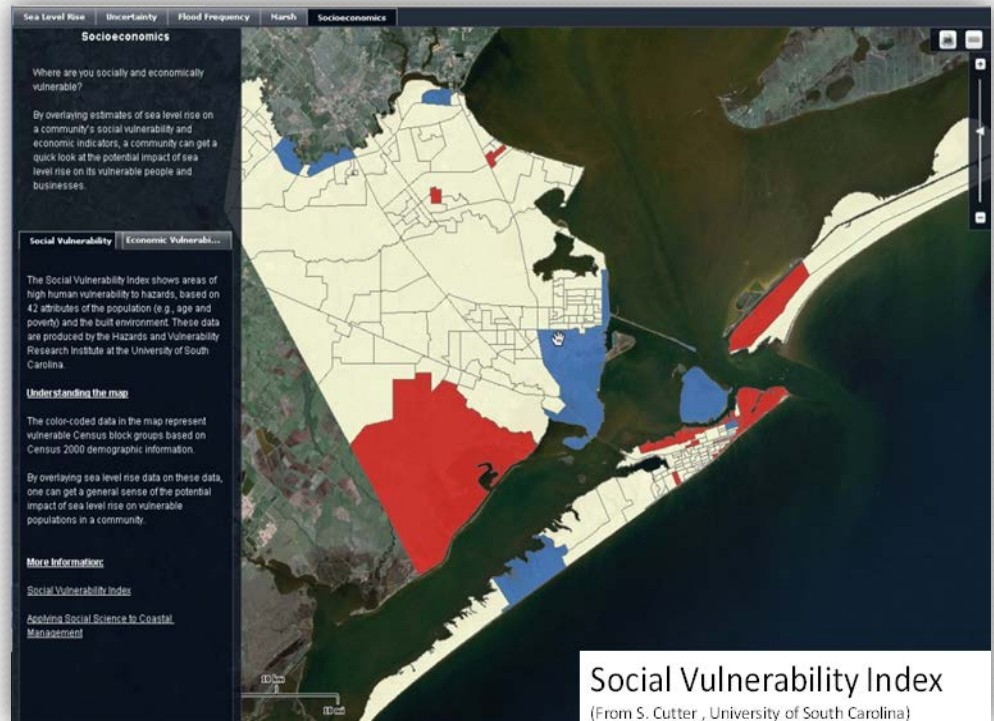
The screenshot shows the Digital Coast website homepage. At the top left is the NOAA logo and the text "DIGITAL COAST NOAA COASTAL SERVICES CENTER". A navigation menu includes "Home", "About", "Data", "Tools", "Training", "Apply It", and "Stories". A left sidebar lists "DATA", "TOOLS", "TRAINING", "APPLY IT", and "STORIES". The main content area features a "TOP PICKS" section with links to "Coastal Lidar", "Coastal Change Analysis Program", "Economics: National Ocean Watch", "Electronic Navigational Charts", and "Emergency Response Imagery". A central banner for "COASTAL GEOTOOLS" promotes a "REGISTER NOW!" event from "March 25 to 28, 2013" in "Myrtle Beach, South Carolina". Below this is a "What's New" section with links to "Environmental Sensitivity Index", "Landsat Satellite Imagery", and "Bathymetry and Digital Elevation...". On the right, there is a "BLOG: GeoZone" section with a post titled "Beach Volume Change Measurements from Lidar - How Close is Close?" and a "VIEW BLOG >>" link.

Digital Coast Resilience Data and Tools

- Coastal County Snapshots
- C-CAP Land Cover Atlas
- Coastal Lidar
- SLR and Coastal Flooding Impacts Viewer
- ENOW

<http://csc.noaa.gov/digitalcoast/>

Most Vulnerable Populations



Tools

Sea Level Rise and Coastal Flooding Impacts Viewer

NOAA Coastal Services Center

Inundation with
1 foot of sea level rise



Inundation with
6 feet of sea level rise



Shrewsbury
River, NJ

Change is Here: Time to Act is Now

