Communicating About Climate Change and its Impacts in New Jersey's Coastal Communities

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URBAN COAST INSTITUTE



What is Climate Change?



What is Climate Change? First, what is weather?

- Atmospheric conditions within small geographic



Carbon dioxide dissolves in the ocean to make carbonic acid. The amount of acid has increased over the past 150 years.

CO₂

H₂O

These changes in ocean chemistry can disrupt the entire marine food web.

pre-1850 average pH 8.2

See ?

current average pH 8.1

extra acid blocks growth of corals and shellfish

some species in the food web benefit while others decline

future

H₂CO₃

Index

SEARCH

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of time...

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CD climatecentral.org

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Is New Jersey Different?

http://slrviewer.rutgers.edu/

Type of Resiliency...





Hurricane Categories

Category 1 and 2

Category 3 and 4

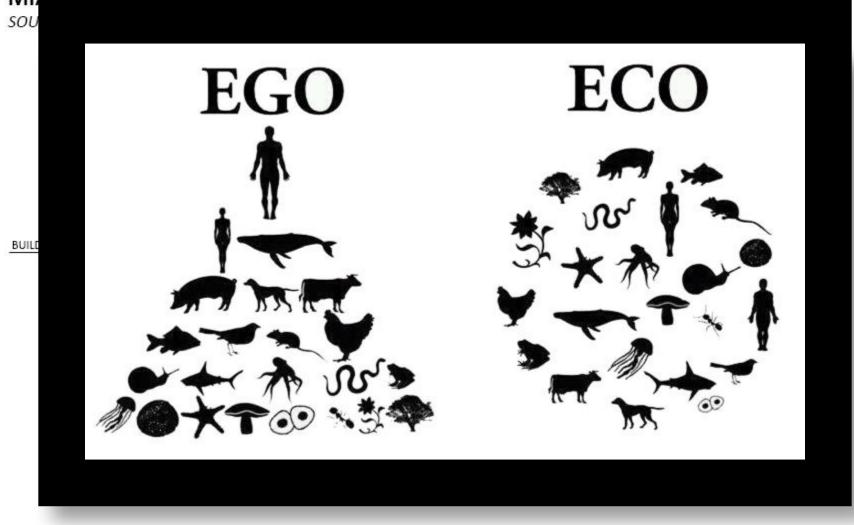


The U.S. Army Corps of Engineers storm surge data/maps are to be used in combination with other GIS data or satellite imagery to



Type of Posilioney

MIAMI FLOPIDA LISA



Time for a Game / Challenge!

- How can we be resilient and plan for Monmouth Beach for current and future forecasted climate change?
- Let's see who can do the best!?!

