Climate effects on coastal regions

- Increased air and water temperature
- Sea level rise
- Meteorological events – storminess, wind patterns
- Altered chemistry – ocean acidification, increase N loading
- Changes in the hydrological cycle and water balance

Human concentration intensifies climate impacts

Concentrations of ...
- population
- commerce
- recreation
- pollution

ATLANTIC COASTAL RESILIENCE

Loss of Habitat

Human Population
Nitrogen Loading Amplifies Climate Effects
Linda Deegan, David Johnson, Jimmy Nelson et al.

The TIDE Project

BLUE CARBON

SINK
-450

SOURCE
120

g C m$^{-2}$ yr$^{-1}$

Landscape Change

Mozdzer et al. submitted

REFERENCE

NUTRIENT

REFERENCE

NUTRIENT