

<http://climatechange.rutgers.edu>



RUTGERS

Climate Institute



The **Rutgers Climate Institute** is a university-wide effort to address one of the most important issues of our time through research, education and outreach.

The Institute draws upon strengths in many departments at Rutgers by facilitating collaboration across a broad range of disciplines in the natural, social and policy sciences.

Rutgers Climate Institute

Goals

The Rutgers Climate Institute is guided by the following goals:

- To understand the mechanisms that drive global and regional climate change;
- To understand the human and social dimensions of climate change, including how social, economic, political, cultural, and behavioral factors drive climate change, shape vulnerabilities, and condition response strategies;
- To study the impacts of climate change, particularly its effects on densely populated, coastal regions;
- To inform and educate society about the causes and consequences of climate change.



People

Under the direction of Co-Directors **Tony Broccoli** and **Robin Leichenko** the Rutgers Climate Institute brings together more than 75 affiliated faculty from across the University to answer the big questions about our changing climate and devise workable solutions for New Jersey, the nation, and the world.

Selected Projects

RCI affiliates are engaged in numerous climate change-focused projects, to name just a few:

- Atmospheric mechanisms associated with temperature extremes over North America in observations and climate models.
- Statistical estimation of past ice sheet volumes from paleo-sea level records.
- Integrated climate/economic modeling for domestic and international regulatory analysis.
- Downscaling REDD policies in developing countries: Assessing the impact of carbon payments on household decision-making and vulnerability to climate change in Vietnam.
- Mechanistic interpretation of the spatial signatures of mid-Holocene precipitation over South America and the Atlantic.
- Geospatial and analytical support to the New Jersey Recovery Fund.
- Economic vulnerability to climate change on the Jersey shore: promoting adaptation, resilience and sustainability in coastal New Jersey.
- Landscape transformations and vulnerability to coastal hazards in Puerto Rico.
- A socio-ecological framework for understanding climate change mitigation and adaptation.

Future Aspirations

The challenges associated with a changing world can only be met through a combination of groundbreaking research and education.

Rutgers Climate Institute seeks **research funding** and **scholarship support** to continue and enhance our efforts in these areas.



Contact Us:
Marjorie Kaplan, Associate Director
c/o Department of Environmental Sciences
Rutgers University
Environmental and Natural Resources Sciences Building
14 College Farm Road
New Brunswick, NJ 08901-8551
<http://climatechange.rutgers.edu>