

RUTGERS

Climate and Energy Institute

Climate-Change scholars at Rutgers University–New Brunswick, united under the banner of the **Rutgers Climate and Energy Institute**, are committed to providing deep scientific understanding, improved predictive capacity, and meaningful responses and solutions to the challenge of climate change.

Mission: *The Rutgers Climate and Energy Institute will contribute to a resilient, equitable, and sustainable climate future. This mission is achieved by connecting faculty, staff, and students through transformative climate change research, innovation, education, and outreach.*

We blend disciplinary perspectives and Rutgers–New Brunswick communities to foster a convergence of ideas that begin to match the scale and urgency of the climate crisis. Investment in the Rutgers Climate and Energy Institute (RCEI) will not only drive transformative change through scholarship, but also empower the creation and translation of climate change solutions from scholarship to action across four themes.

- **Renewable Energy, Technology and Energy Conservation:** advancing technologies in renewable energy and energy conservation
- **Human Dimensions of Climate Mitigation, Adaptation, and Resilience:** understanding the causes of climate change, the societal, economic, and behavioral impacts of climate change, and the ways in which people and institutions respond to these changes
- **Earth System Science:** researching the complexities and dynamics of Earth's physical, geochemical, and biological systems
- **Climate Change Communication and Environmental Humanities:** raising awareness and inspiring action through the arts and humanities

The Earth's climate reflects a complex interplay between the atmosphere, ecosystems, oceans, human activity, and the solid earth. Incorporating a diversity of scholarly perspectives is key to achieving technological, ecological, social, and policy solutions that will lower greenhouse gas emissions, and guide society's response to the current and pending impacts of climate change.

The Rutgers Climate and Energy Institute realizes its mission through:

- **Creating Dynamic Scholarly Communities:** organizing and activating groups of Rutgers-New Brunswick scholars to move their innovative ideas into action
- **Increasing Grant Funding:** providing planning grants, resources, space, and staff support needed for Rutgers-New Brunswick faculty, staff, and students to secure grant funding to support their innovative climate change scholarship
- **Signature Initiatives:** Supporting distinctive and innovative research collaboratives that align with our focus areas
- **Actively Engaging in Scholarly Exchange:** fostering collaboration, and amplifying the impact of climate change scholarship, through public events; and communicating to the public, educators, policymakers, governmental and non-governmental organizations, and the private sector

The **Rutgers Climate and Energy Institute** builds upon 20 years of Rutgers–New Brunswick investments into a world-class faculty and staff engaged across the RCEI themes. RCEI will collaborate with the Rutgers Office of Climate Action and other units across Rutgers that engage with climate and energy science. In the face of the ongoing climate crisis, RCEI represents a renewed commitment to collaboration and scholarship that can enable a brighter climate future.

