



ANJEC 48th Annual Conference

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Jeanne Herb and Lucas Marxen

Rutgers, The State University of New Jersey

Climate Trends in NJ

Temperature

- Warming 2x global average
- More warm extremes; less cooling
- Intensity of coastal storms

Precipitation

- 100 year increase in precipitation
- More intense heavy rains
- Increased frequency of dry spells

Sea level rise

- Rise of 1.5 feet since 1911
- Projection = .9-2.1 feet 2000-2050
- .2"/year since 1911; .2-.5"/year 2010-2050



Credit: Smithsonian Magazine

Post 2050 futures depend on emissions scenarios



Lavallette, NJ. Credit: theatlantic.com



Credit: nj.com

State Policy Framework: *Adaptation/Resilience*

EO 89 (2019)

- Appoints state CRO & interagency council
- Directs development of guidance to local gov's, SLR guidance, statewide climate resilience strategy
- Directs SPC to incorporate climate hazards into Plan Endorsement

EO 100 (2020)

- Directs integration of climate change into environmental permitting, including land use, water supply, stormwater, wastewater, etc.

MLUL (2021)
(NJSA 40:55D-1)

- Requires any land use element adopted/amended after 2/4/21 contain a climate change-related hazard vulnerability assessment
- Build out analysis

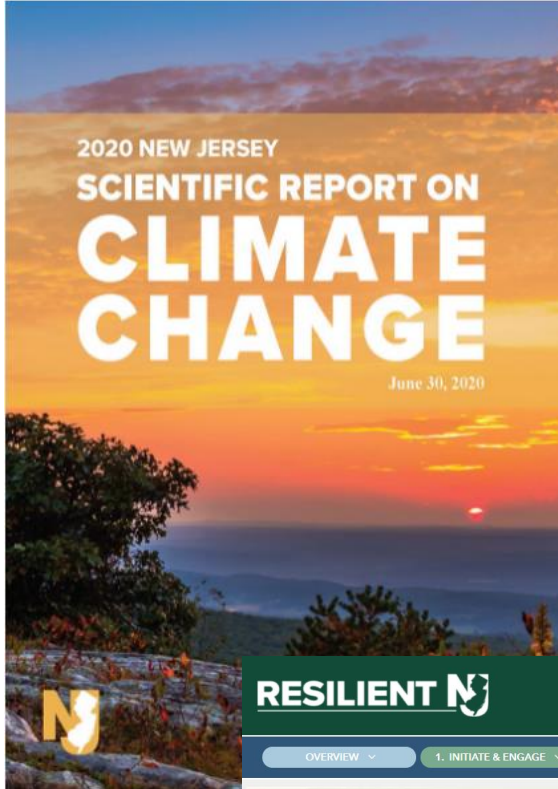
Federal Disaster
Mitigation Act
(2020)

- Hazard planning - eligibility for certain types of non-emergency disaster assistance;
- County level w/ municipal annexes

NJDEP Climate Science Report (May 2020)

<https://www.nj.gov/dep/climatechange/docs/nj-scientific-report-2020.pdf>

State resources



NJDEP Climate Resilience Strategy (October 2021)

<https://www.nj.gov/dep/climatechange/resilience-strategy.html>



<https://experience.arcgis.com/experience/9daab51c2f5542969d50437522e012c4>

Whole community planning



Department of Environmental Protection



A Seat at the Table: Training for Whole-Community Climate Resilience Planning

Home


Trainings
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About This
Training

Key
Concepts

Planning
▼

Identifying

Engaging

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Survey

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<https://www.nj.gov/dep/climatechange/trainings/asat-about.html>

NEW JERSEY'S RISING SEAS AND CHANGING COASTAL STORMS:

Report of the 2019 Science and Technical Advisory Panel



CLIMATE CHANGE: WHAT'S AT STAKE FOR NEW JERSEY?



RUTGERS | NJ Climate Change Resource Center

<https://njclimateresourcecenter.rutgers.edu/>

Rutgers.edu | New Brunswick | RBHS | Newark | Camden | Online | Rutgers Health | Rutgers Search

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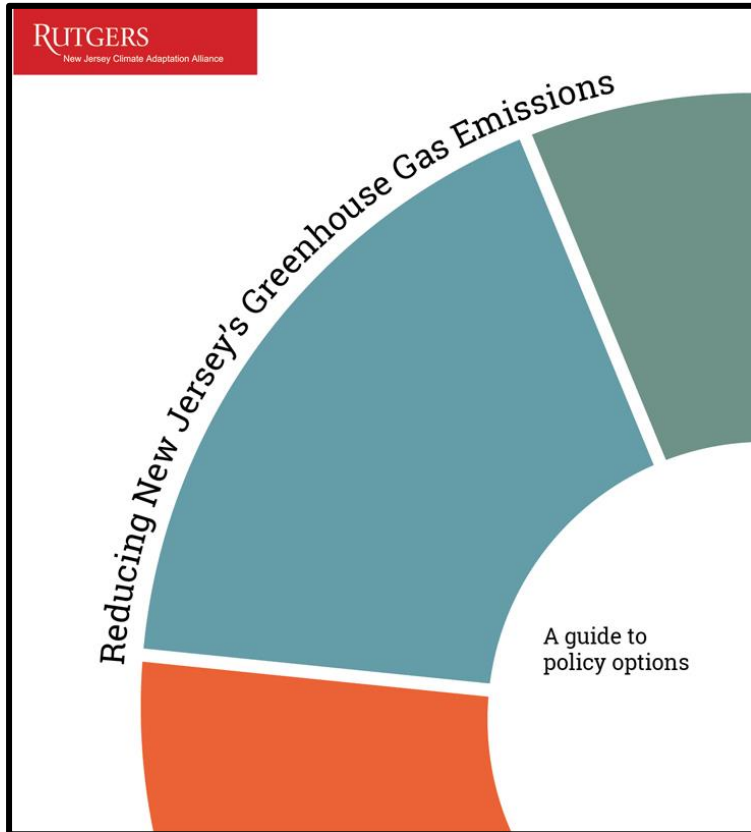
Introducing the Climate Resilience Corps

Meet the team of graduate students helping New Jersey municipalities assess and plan for climate hazards.

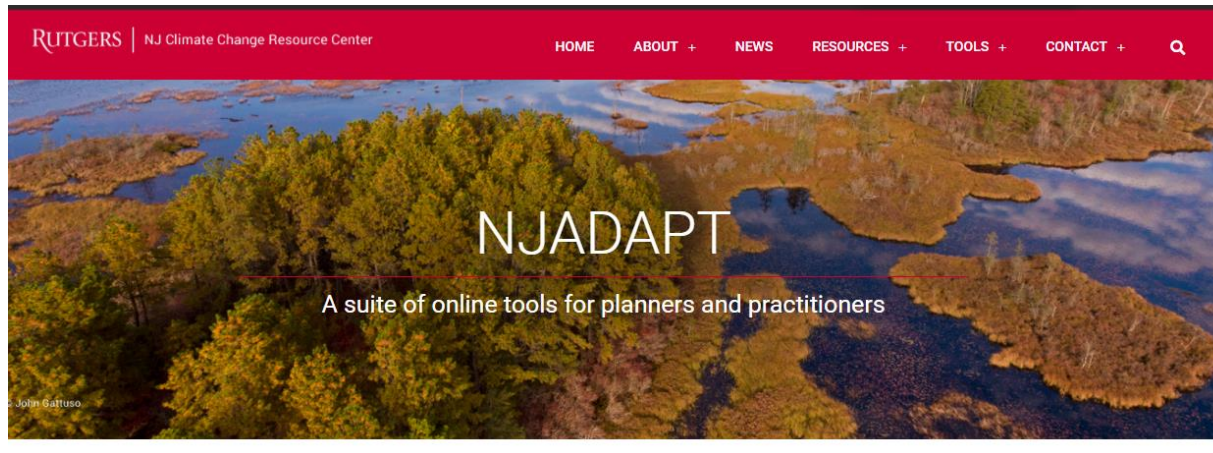
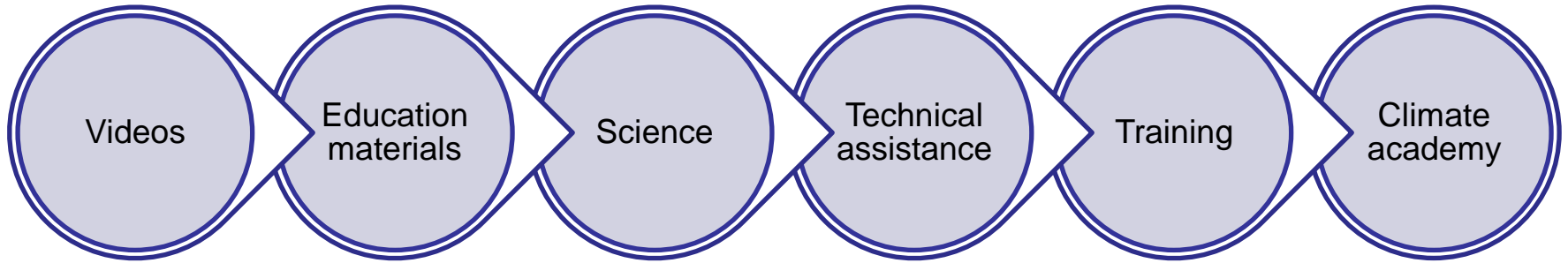
Watch the Video

John Gattuso

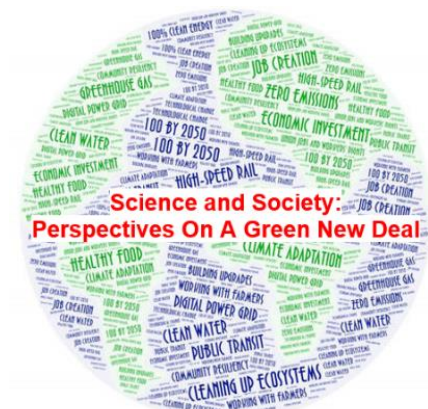
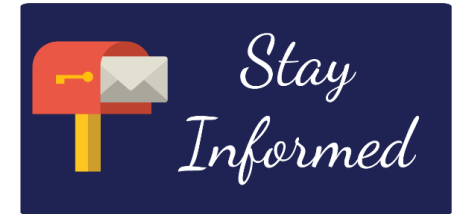
An aerial photograph of a coastal town. The town is built on a slight rise, with many houses and buildings. A wide, sandy beach runs along the coast, and the ocean is visible in the foreground with waves breaking on the shore. The sky is blue with some light clouds.



The New Jersey Climate Change Alliance is a statewide network of diverse organizations that share the goal of advancing science-informed climate change strategies at the state and local levels in New Jersey.



- Web-based data visualization & mapping tools
- Tailored to the needs of end users (like you!)
- Consistent with state policies/guidance
- Constantly improving



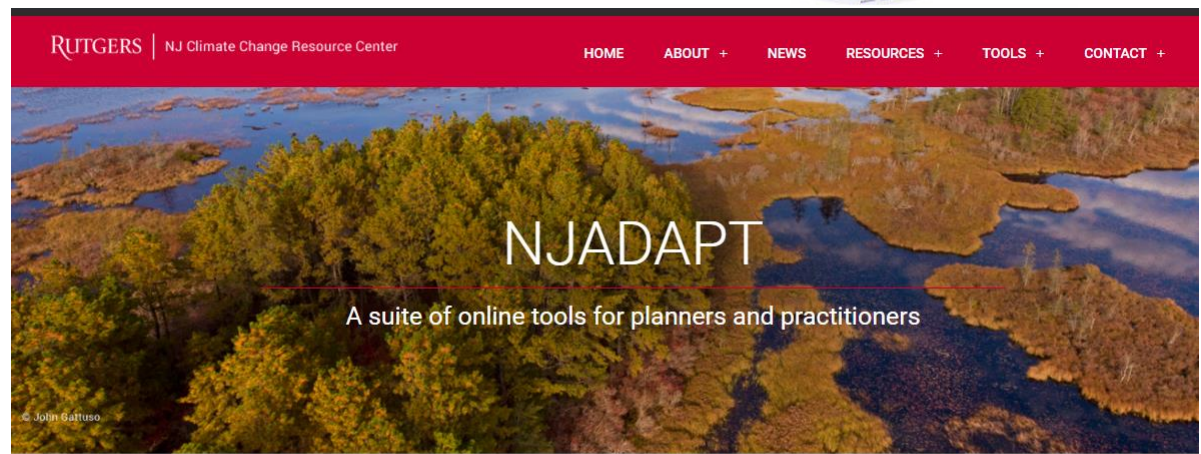
- **New Jersey Climate Change Alliance**
<https://njadapt.rutgers.edu/>

- **New Jersey Climate Change Resource Center**
<https://njclimateresourcecenter.rutgers.edu/>

- **Rutgers Climate Institute**
<https://climatechange.rutgers.edu/>

- **Data visualization and mapping tools**

- NJADAPT
<https://njclimateresourcecenter.rutgers.edu/nj-adapt/>





Thank you

jherb@ejb.rutgers.edu

848-932-2725