



Enhancing Coastal Resilience through Long-term Disaster Recovery Planning

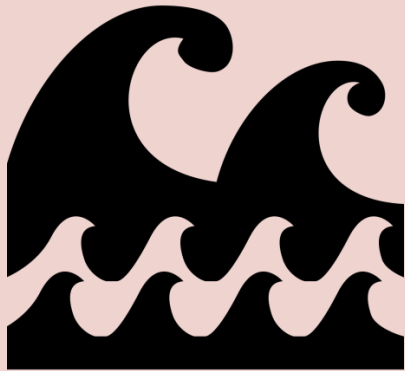
Amanda Martin, AICP ♦ May 16, 2017 ♦ St. Augustine, FL



SOUTHEAST
DISASTER
RECOVERY
PARTNERSHIP

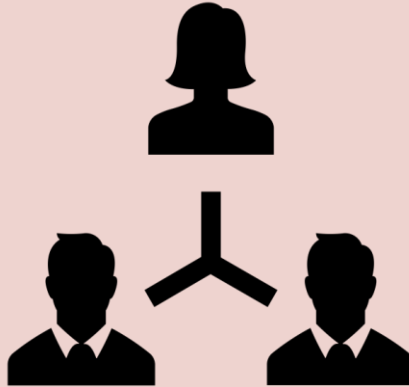
+ Overview

Part 1



How can disaster recovery planning enhance coastal resilience?

Part 2



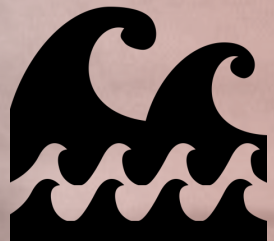
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How can we engage the private sector and bring resilience to economic recovery?

Part 3

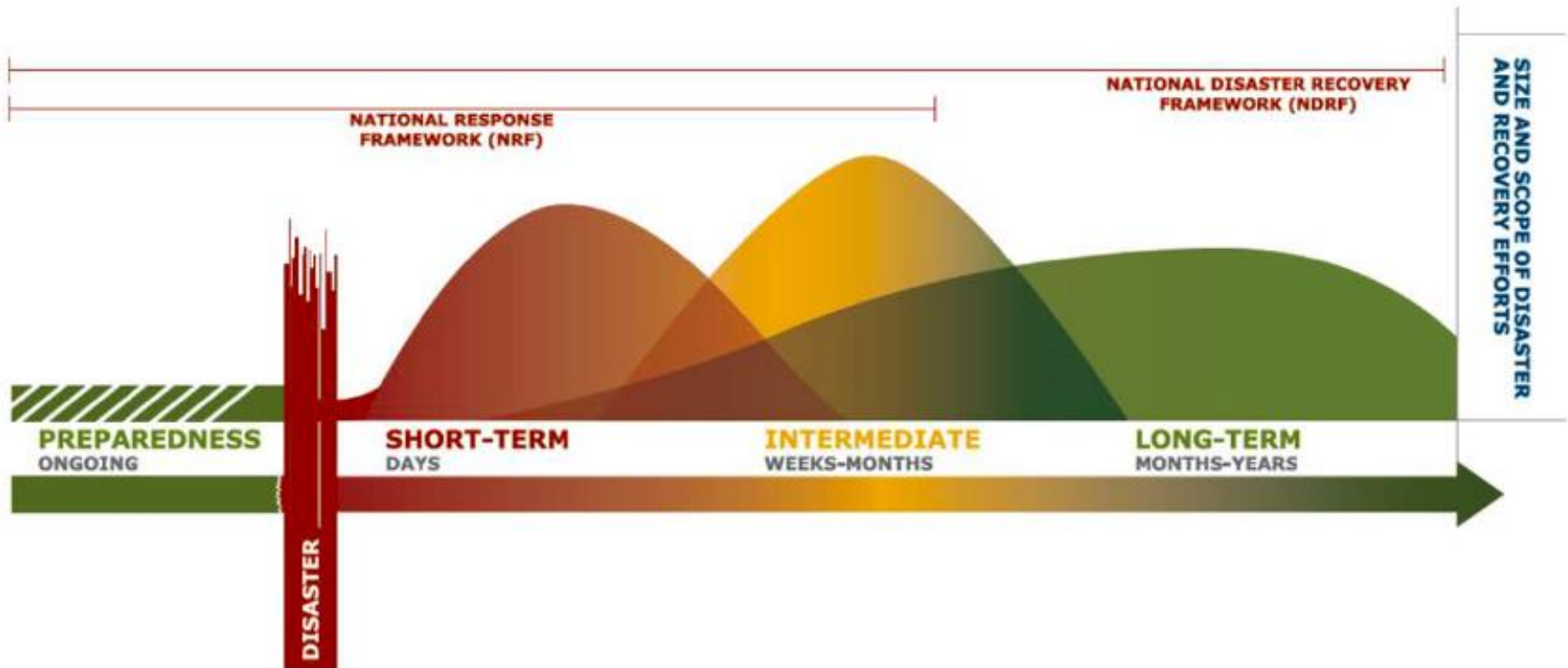


What is the Southeast Disaster Recovery Partnership doing?



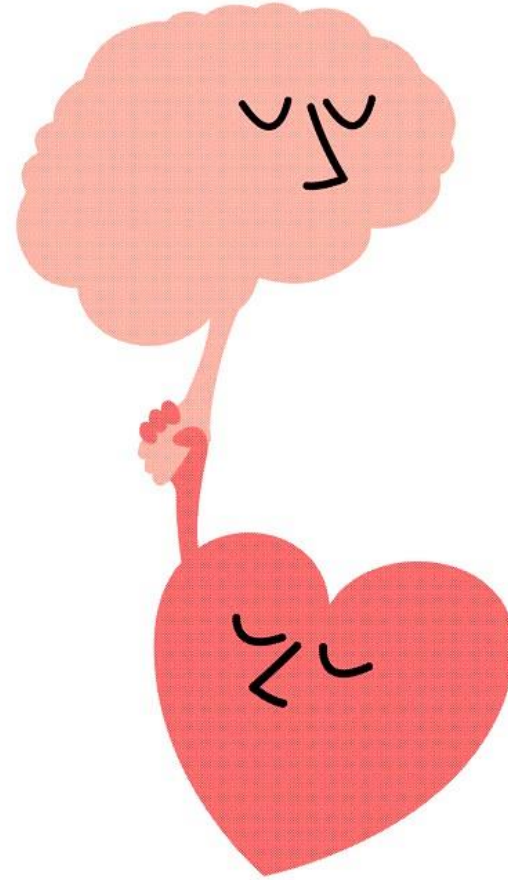
PART 1 How can disaster recovery planning enhance coastal resilience?

+ What is disaster recovery?



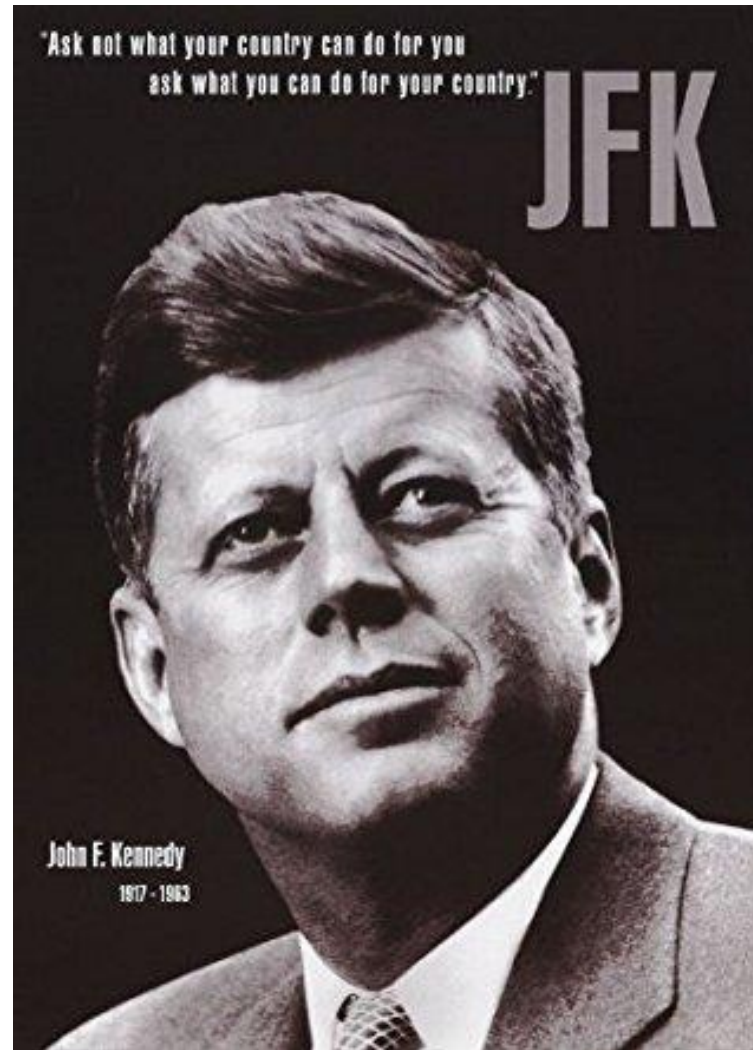
+ Disaster recovery – some observations

- Vulnerability has gone from theoretical to real



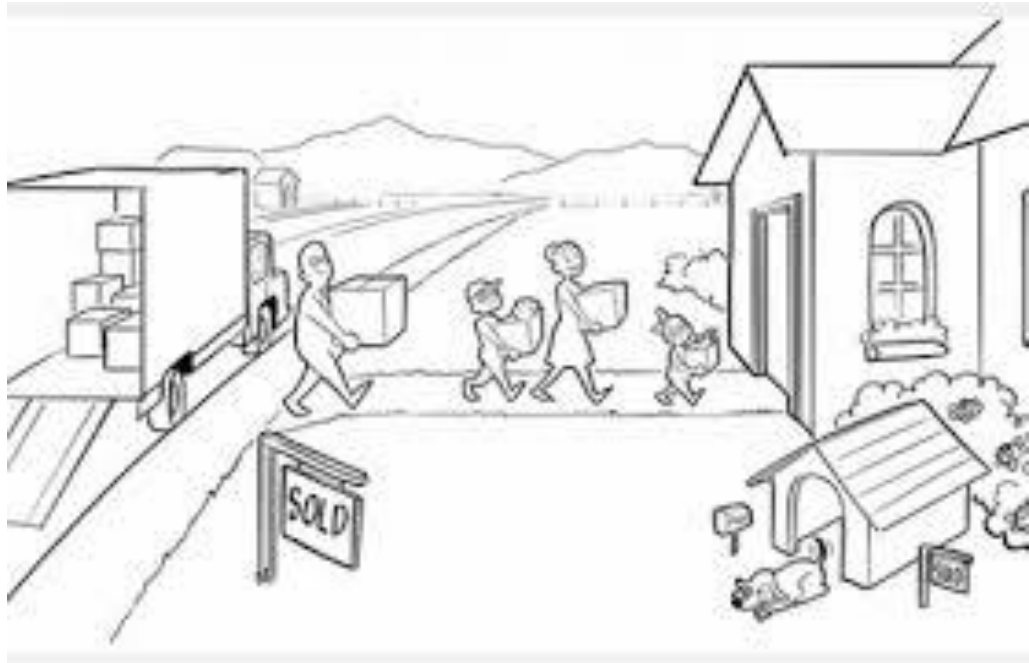
+ Disaster recovery – some observations

- The “opportunity” of disaster recovery



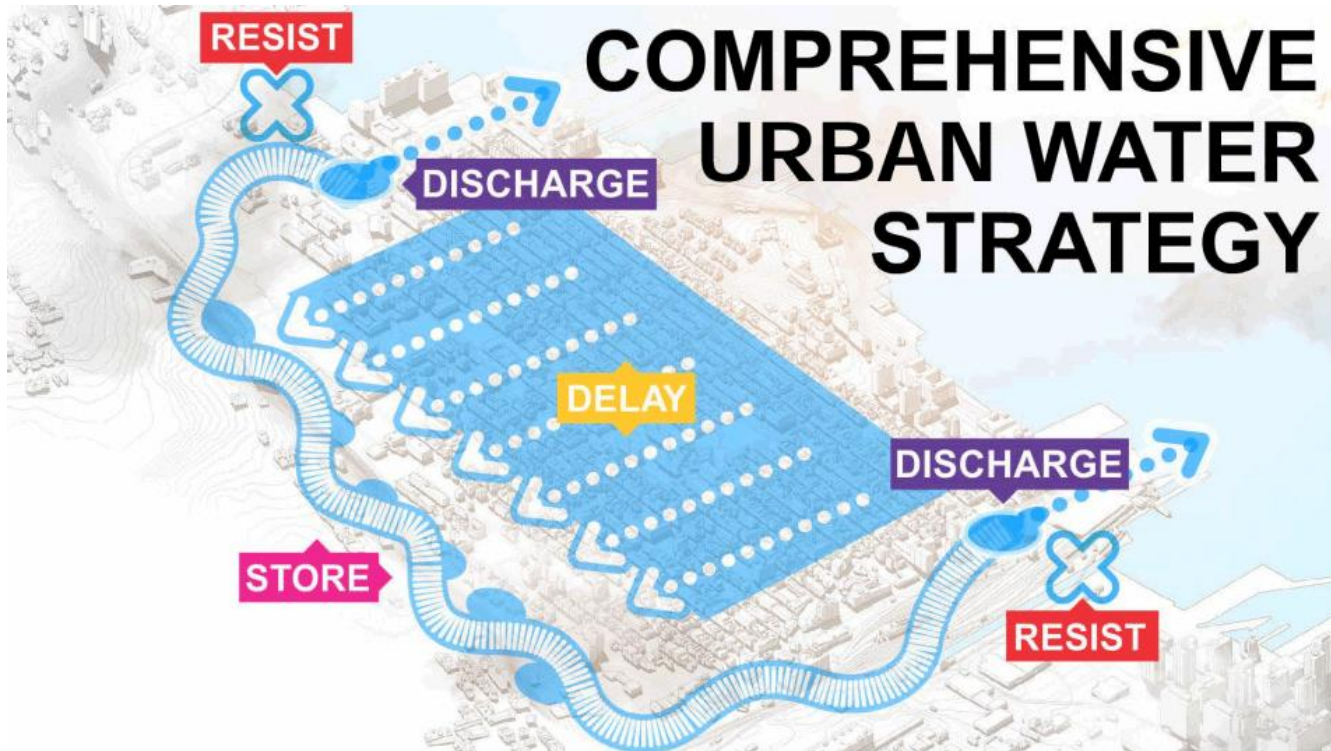
+ Disaster recovery – some observations

- Recovery as (urban) development compressed in time... which leads to major inequities



+ Disaster recovery – some observations

- Always competing desires between returning things “just as they were” and rebuilding in a more resilient way



+ Disaster recovery practice

Operational



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- Emergency mgmt approach
- Recovery support functions (RSFs) and the National Disaster Recovery Framework
- Who will be involved? Whose capacities should be tapped?

Outcome-oriented



- Land use planning approach
- Policies that guide redevelopment
- Should we rebuild in a different way?
- How should we spend the money?



National Disaster Recovery Framework

Strengthening Disaster Recovery for the Nation



National Disaster Recovery Framework

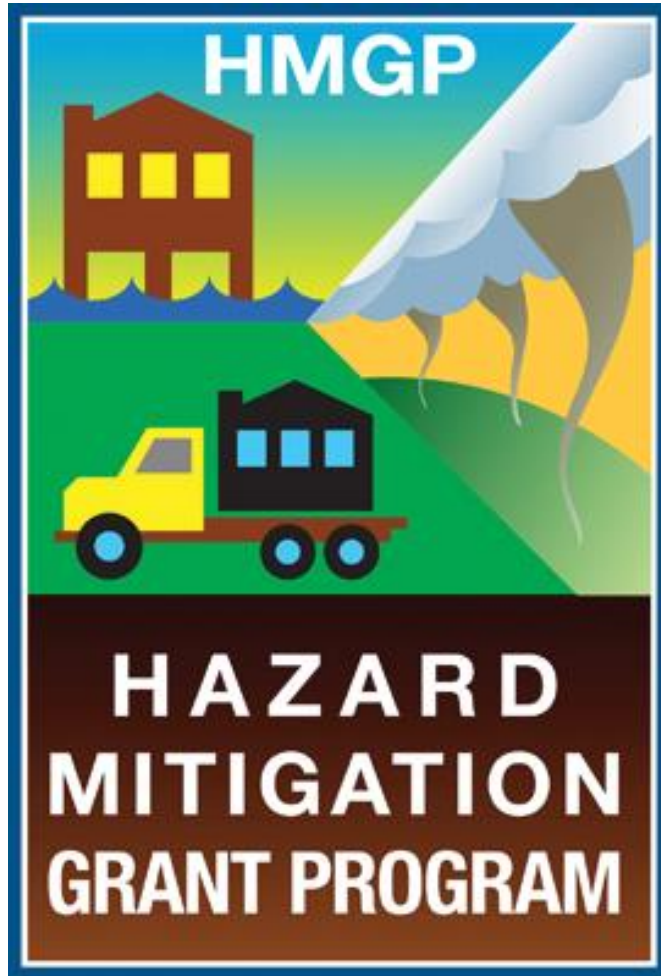


| Recovery Support Function | Federal Coordinating Agency |
|--|---|
|  Community Planning and Capacity Building | Department of Homeland Security/Federal Emergency Management Agency |
|  Economic | Department of Commerce/Economic Development Administration |
|  Health and Social Services | Department of Health and Human Services |
|  Housing | Department of Housing and Urban Development |
|  Infrastructure Systems | Department of Defense/Army Corps of Engineers |
|  Natural and Cultural Resources | Department of the Interior |

+ Outcome-oriented disaster recovery planning

| Typical content areas | Sample policy with resilience component |
|-----------------------|---|
| Housing | Homes with a certain % of damage will not be grandfathered back into older housing codes |
| Land use | Certain areas will be targeted for infill redevelopment while others will be targeted for limited density or buyouts |
| Economy | Certain economic development assets will be prioritized for redevelopment |
| Infrastructure | Standards for which hard infrastructure should be redeveloped; incentives for green infrastructure |
| Environment | Strategies to restore coastal wetlands |
| Governance | Coastal management will contribute to long-term recovery governance |

+ Hazard Mitigation Grant Program



- Federal program implemented after Presidential disaster declaration
- Sample eligible projects
 - Property acquisition -> open space
 - Elevating or retrofitting properties
 - Development of vegetation management programs
 - Minor and localized flood control projects



Pre-Disaster Recovery Planning

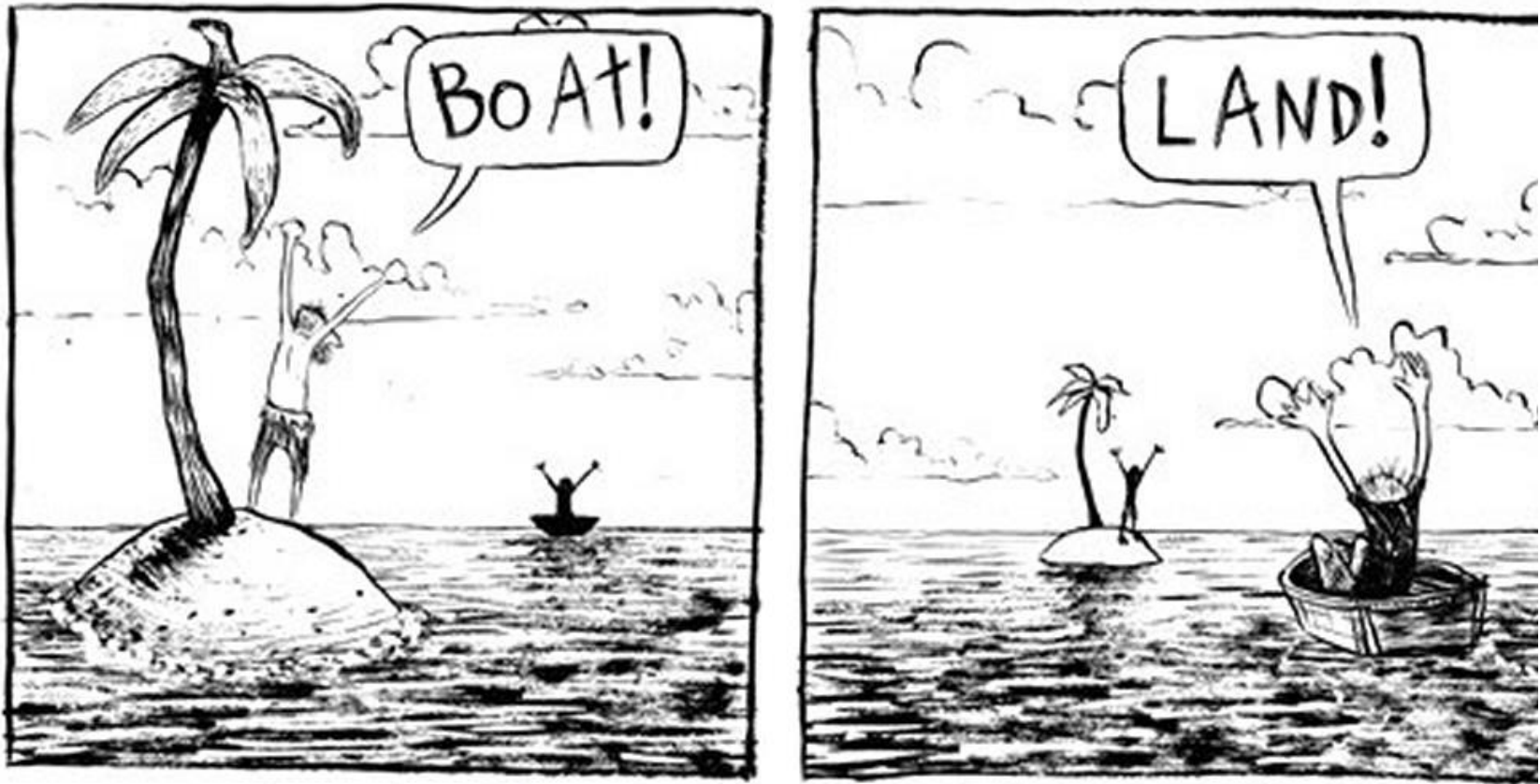


- **Best practice** we have for improving disaster recovery is to prepare for disaster recovery
- Federal, state, local
- Plans range from
 - Strictly operational
 - Identifying key questions that the RSFs will answer to jump start recovery
 - Enacting policies in advance of disaster
 - Making difficult decisions about redevelopment in advance of a disaster



PART TWO How can we engage the private sector and bring resilience to economic recovery?

+ Engaging the private sector



Perspective...

+ Engaging the private sector



- Start by seeing things from **an individual business' perspective**
- **Believe** that the success of businesses in your community matters for resilience



Engaging the private sector



- Find **champions**

- Who already understands risk?
- Whose job is it to represent business interests?
- Who benefits from a high quality coastal environment?
- Who do you already work with or know?

- Start with **emergency preparedness** -> natural point of interest for businesses

+ Recovery Plans

| Typical content areas | Sample reason for business community involvement |
|-----------------------|---|
| Housing | The success of housing recovery matters for the recovery of any business with local resident customers |
| Land use | Land use plans affect where and how businesses can relocate or rebuild; Real estate and construction industries affected by LU plans |
| Economy | Businesses will benefit from streamlined financial and technical recovery assistance |
| Infrastructure | Some infrastructure is privately held; Communication, transportation matters to all businesses |
| Environment | Quality of environment important for coastal tourism |
| Governance | The private sector can offer expertise, networks, and information for recovery planning and implementation |



PART THREE: What is the Southeast Disaster Recovery Partnership doing?





SOUTHEAST DISASTER RECOVERY PARTNERSHIP

Vision: Strengthen the ability of the Southeast's coastal economy and environment to recover from the next coastal storm.

Mission: Provide the training, resources, information, and industry support that coastal communities need to effectively bounce back.



OFFICE FOR COASTAL MANAGEMENT
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION



Regional Coastal
Resilience Grant Awards



SOUTHEAST DISASTER RECOVERY PARTNERSHIP

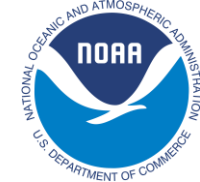
- GOAL 1** **Support the states** of NC, SC, GA, and FL in enhancing the ability of coastal communities to prepare strong recovery plans.
- GOAL 2** **Build the capacity of businesses** to engage in recovery planning and build awareness of recovery resources.
- GOAL 3** **Build regional capacity** for recovery planning.

+ Partners

STATE LEADS AND CO-PIs



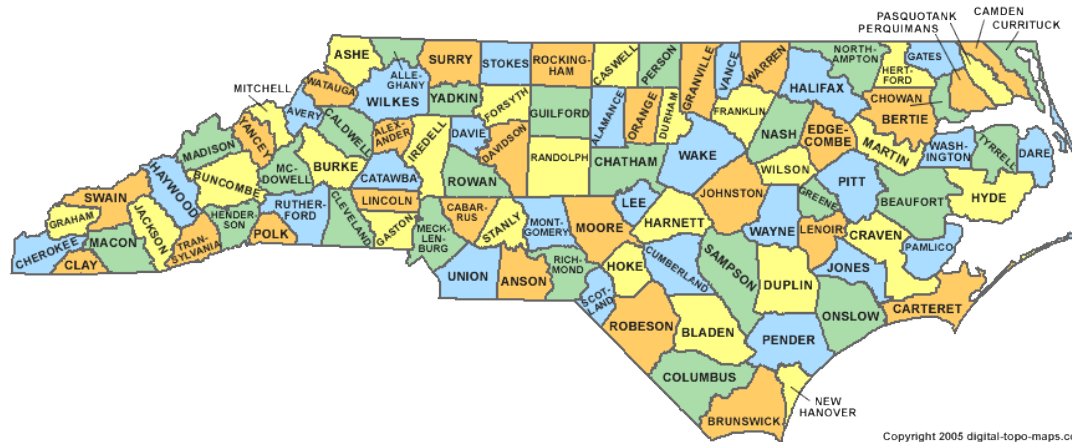
ADVISORY COMMITTEE



LEAD PRIVATE SECTOR PARTNERS

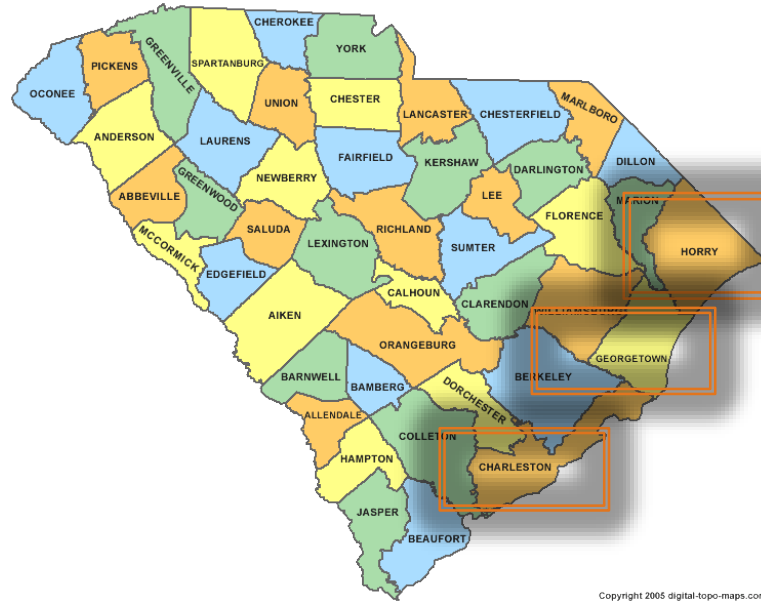


+ North Carolina



Research and documentation of lessons learned from the Matthew recovery. Capturing the innovations, progress, even the failures.

+ South Carolina



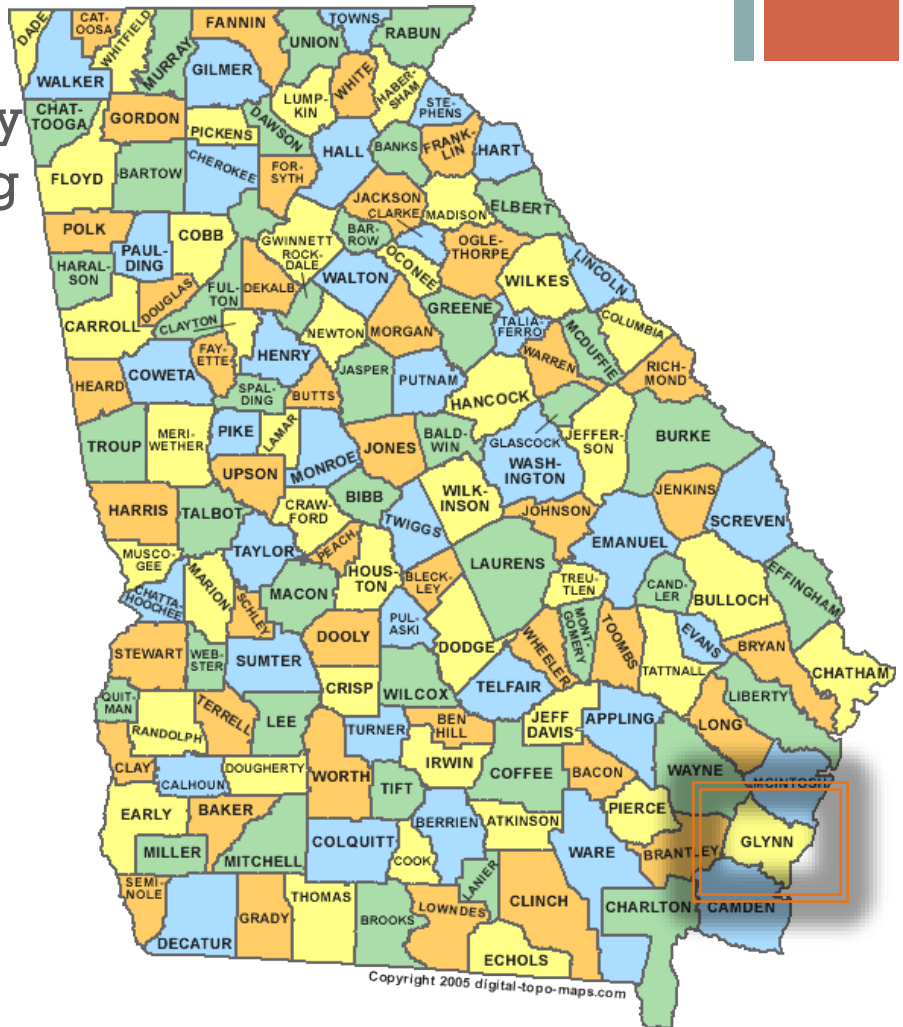
Developing economic recovery plans for three counties

- Horry County (Tourism and recreation)
- Georgetown County (Medium business and Agri-business)
- Charleston County (Large business)



Georgia

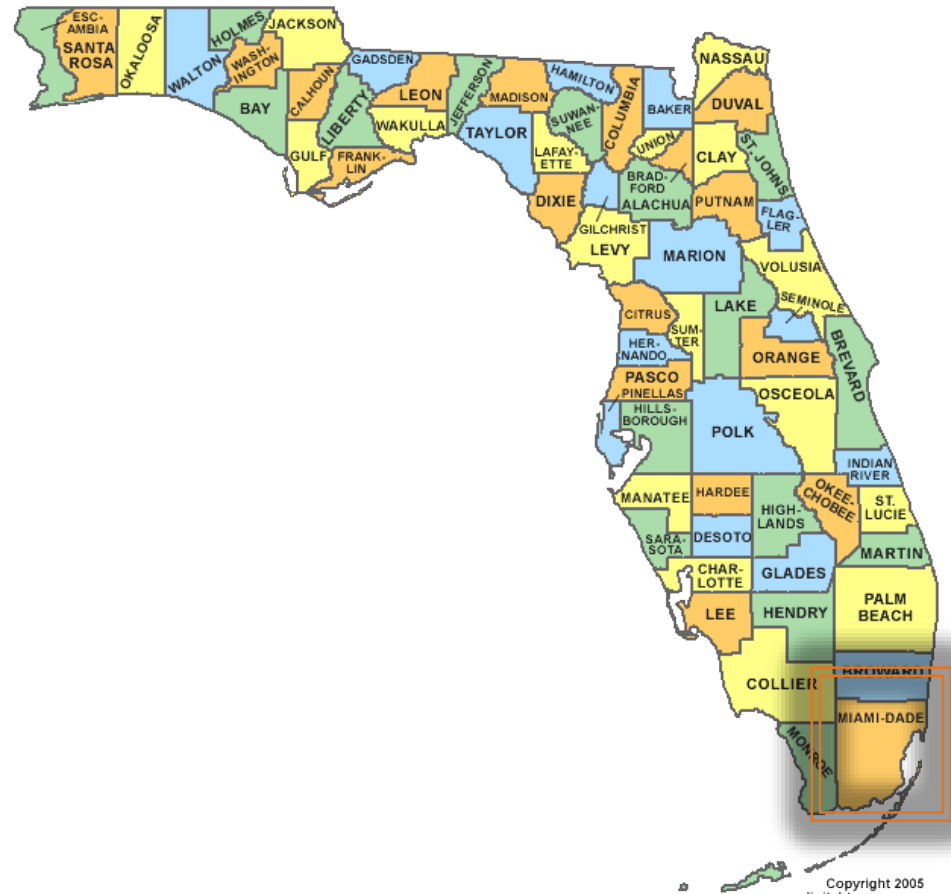
- Preparing NDRF-based recovery plan for Glynn County, including City of Brunswick and Jekyll Island Authority;
- Developing a small business recovery plan template





Florida

- Large metro county
- Building on existing framework for business engagement
- Integration of disaster recovery plans with other existing plans



+ GOAL 2: Build the Capacity of the Private Sector

- Established a **Resilient Business Network** of private sector partners
- Assess the challenges businesses face in getting involved in recovery planning
- Design programs to improve business engagement and support, including public-private partnership

Know An Interested Private Sector Rep?

- Business owners or leaders
- Business associations
- Business representatives (Chambers, etc)
- Liaisons to business (state/federal agencies)

...Contact us!

+ GOAL 3: Build Regional Capacity



- Collaborate across the region to learn from state and local experiences. Create networks of knowledge and expertise
- Engage stakeholders to share best practices and expand recovery planning initiatives. Share recovery planning insights with new audiences

Resilience is **critical** to disaster recovery

Coastal managers have **tremendous expertise** to bring to long-term disaster recovery efforts

However, we need to be **proactive** to insert resilience into DR planning



SOUTHEAST
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Funding for this project is provided by the NOAA (NOAA Award No. NA16NOS- 4730007) through the Coastal States Stewardship Foundation to the Southeast Coastal Ocean Observing Regional Association

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Please reach out!

Amanda Martin, AICP

Project Coordinator, Southeast Disaster Recovery Partnership

amanda.martin@unc.edu