

# Planning Together

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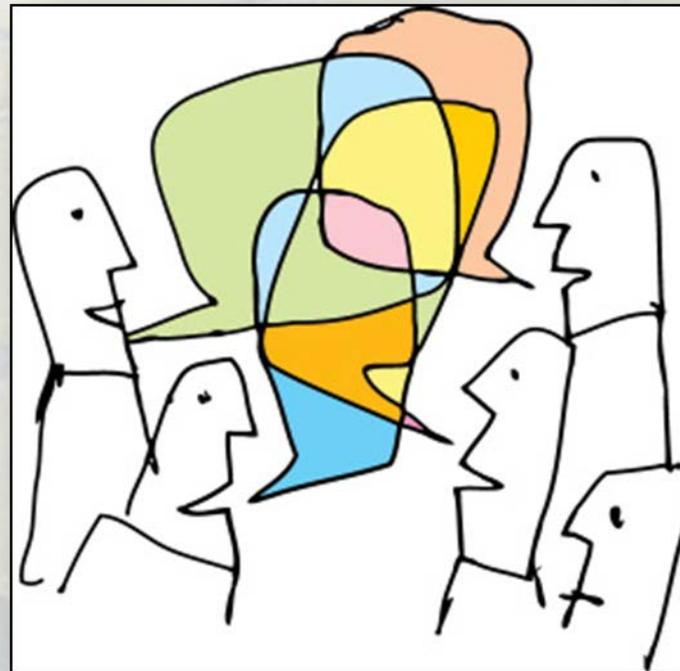
# Communicative Planning

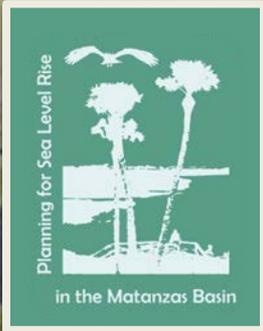
- Planning is a dialogic process (Innes, 1999).
- All forms of knowledge are valid.
- Processes remain open and on-going
- Planner facilitates the process.
- Stakeholders are advocates for the plan.

# The SAR Approach

- Programs are co-developed by researchers and participants.
- Elements of Action Research Proposals:
  - (1) participative;
  - (2) qualitative;
  - (3) cyclic;
  - (4) critically reflective; and
  - (5) emergent (Dick, 1998).
- the process should result in consciousness-raising, conscientization (Reason and Bradbury, 2001).

# SAR and SLR





# Planning for Adaptation in the Matanzas Basin

# Three Year Work Plan

## Phase 1: Stakeholder Workshop

- Work with interested stakeholders to understand the potential implications of sea level rise in the Matanzas basin.

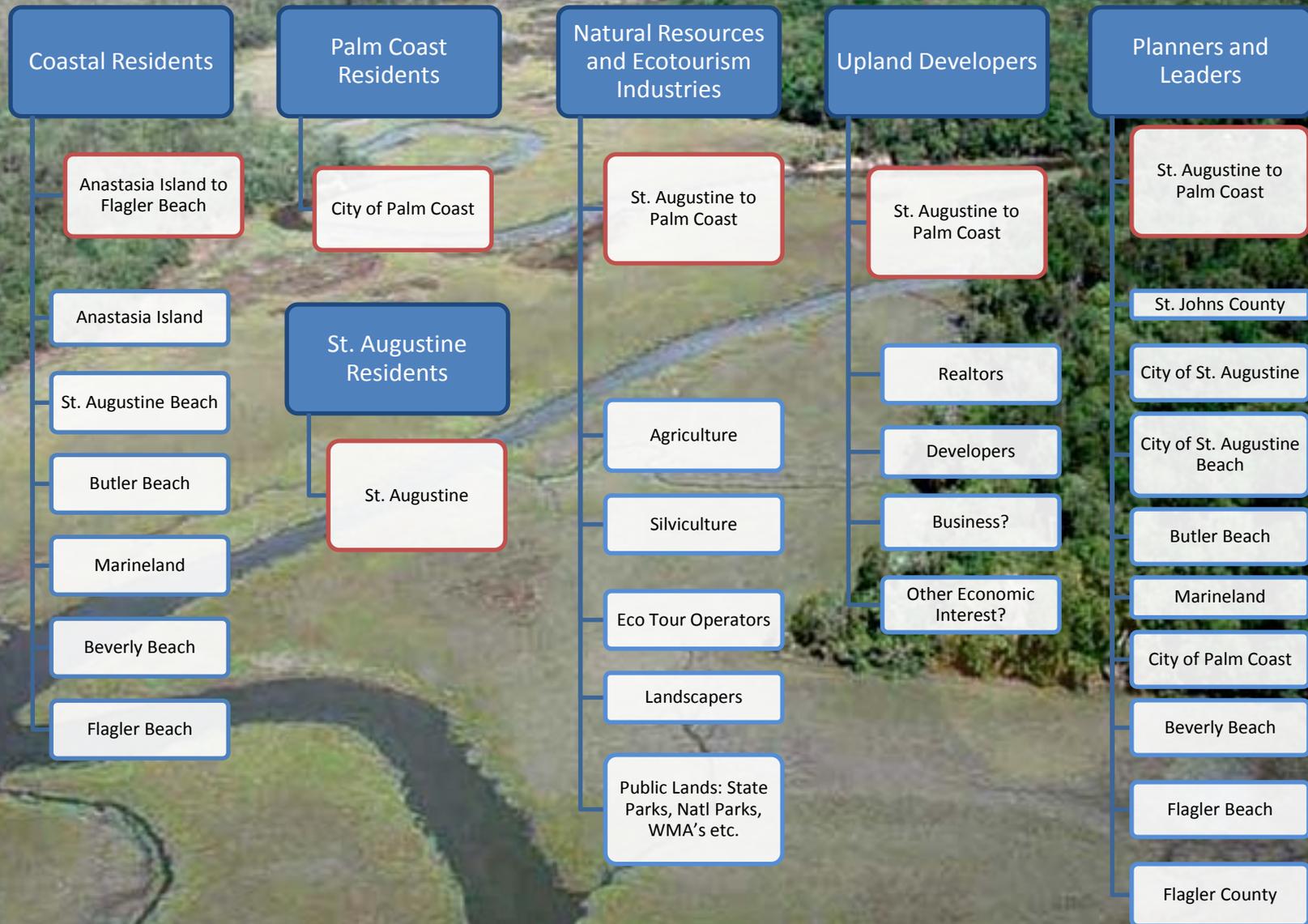
## Phase 2: Large Public Workshops

- Analyze and compare possible future development and ecological conservation scenarios.

## Phase 3: Final Open Meeting

- Identify and promote adaptation tools to bring future development and conservation strategies into fruition.

# Stakeholder Groups



# Stakeholder Workshops



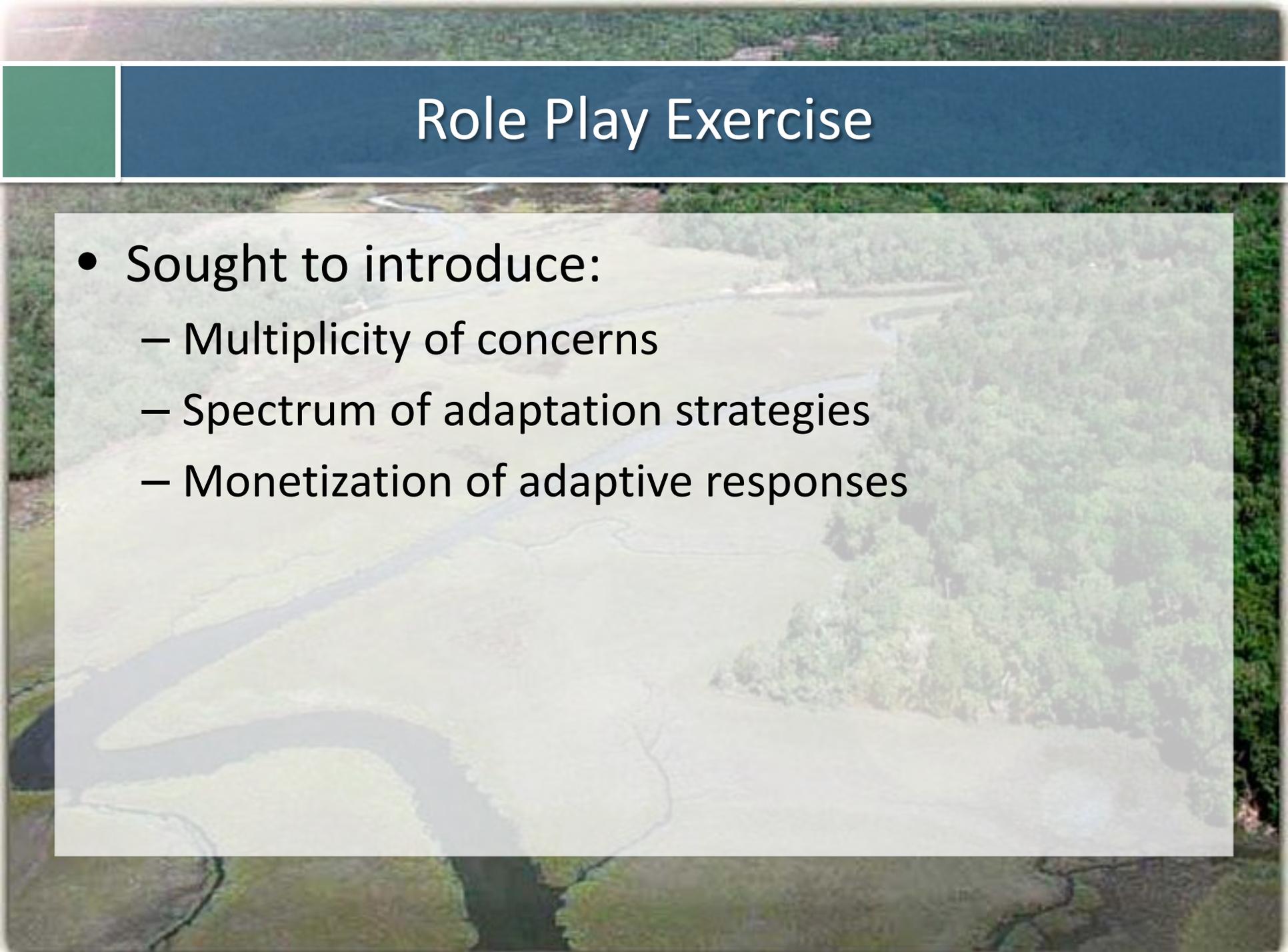
- Goal:
  - (1) Introduce local stakeholders to the potential impacts of SLR; and
  - (2) Engage them in a conversation about their values and priorities for future development and conservation.

# Preparation for the Stakeholder Workshops

- GTM Outreach Staff stomped the region.
- Steering committee fully vetted the presentations delivered by the Research Team.
- Graduate Research Assistant Briana Ozor charged with creating a role playing game.
- GTM staff developed a visioning exercise.

# Stakeholder Presentations

- From the general to the specific
- How will it affect the Matanzas basin

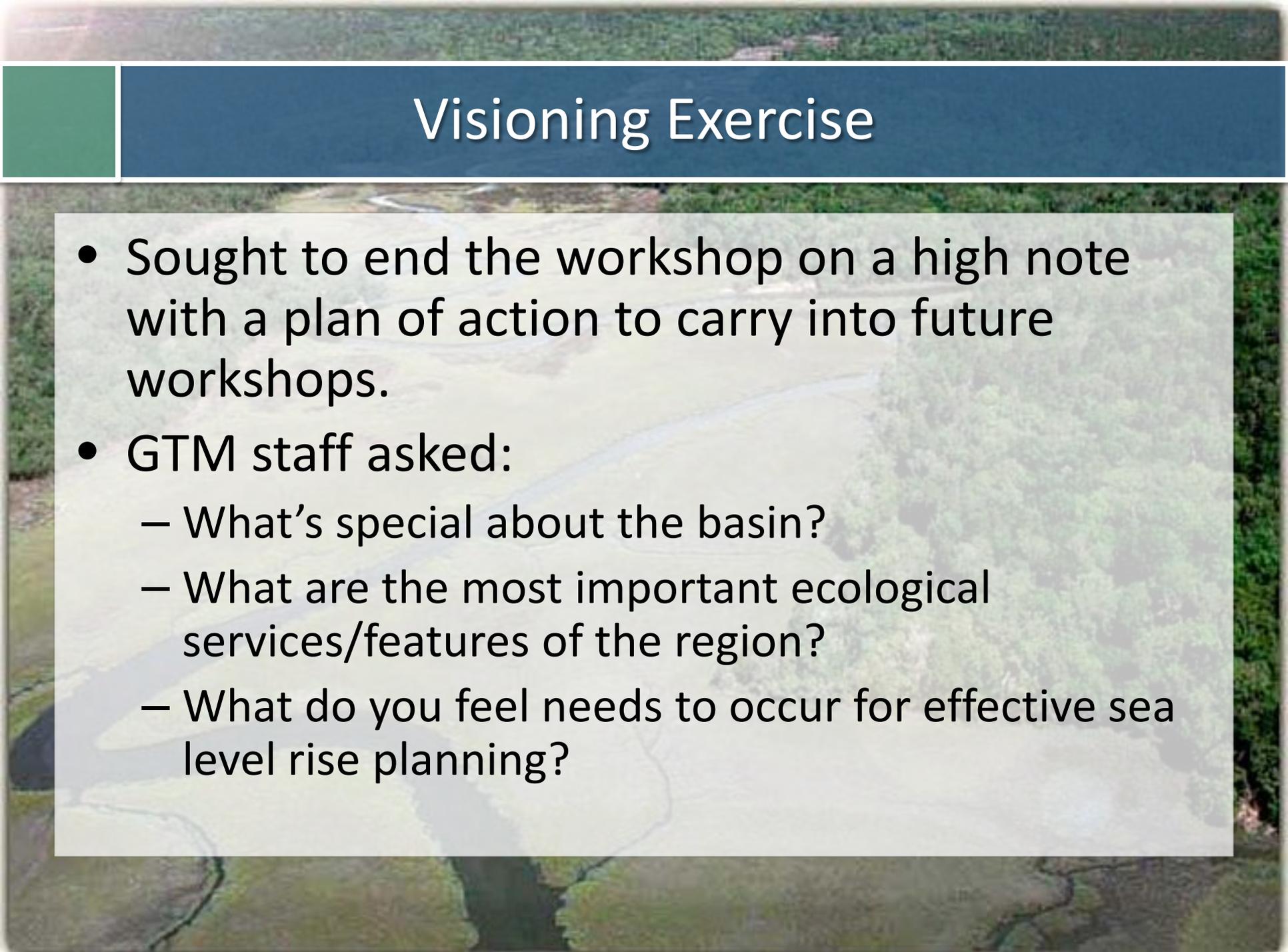
An aerial photograph of a river delta, showing a large body of water branching into several smaller channels. The surrounding land is green and appears to be a mix of forest and open land. A semi-transparent white box is overlaid on the image, containing text. The top of the slide has a dark blue header with the title 'Role Play Exercise' in white text.

# Role Play Exercise

- Sought to introduce:
  - Multiplicity of concerns
  - Spectrum of adaptation strategies
  - Monetization of adaptive responses

# What We Learned from Role Play

- Exercise provided a good break from lecturing.
- Participants welcomed the opportunity to take on the persona of another.
- Participants, mostly, went in with a goal of reaching a collaborative solution.
- Participants grappled with the spillover effects of each adaptation strategy.
- Brought home the reality of both long and short term strategies for grappling with the effects of sea level rise.



# Visioning Exercise

- Sought to end the workshop on a high note with a plan of action to carry into future workshops.
- GTM staff asked:
  - What's special about the basin?
  - What are the most important ecological services/features of the region?
  - What do you feel needs to occur for effective sea level rise planning?

# Summary

- All information synthesized and shared with GTM, Research Team, and Steering Committee Members.
- Findings used to scope the next workshop.
- Moved from the general to the specific; from coastal dynamic shifts to sea level rise.
- Made the decision to emphasize the science and the modeling based on perceived interest of stakeholders.

# Large Public Workshops



- Goals:
  - (1) Gauge proposed adaptation preferences and potential locations for conservation corridors; and
  - (2) Gather input regarding future development patterns.

# Preparation for the Large Public Workshop

- The second phase of the research involved envisioning a new development/conservation future for the area.
- Models were generated depicting future land development patterns which considered the impacts of sea level rise.
- These presentations were initially delivered by members of the Research Team to the Steering Committee.

# Steering Committee Feedback

- The steering committee struggled with these materials, raising questions about:
  - Future population projections and the impact on SLR on the same.
  - Recommended densities.
  - The breadth and depth of the suggested conservation corridors and their relationship to sea level rise.

# Logistics

- Guests were gathered in a large auditorium.
- A formal presentation was delivered by Drs. Frank and Jourdan.
  - Audience questions were highly technical.
- Participants were broken up into groups to participate in a density exercise.
- Participants were brought back together to report their findings and for closing remarks.

# Density Exercise Design

- How do you get people to understand the concept of density?
  - Show them.
  - Let them experiment.
- Tool was based on a computer game developed by the Lincoln Land Institute.
  - Modified by doctoral student Belinda Nettles
- Simplified and localized for relevance.

# What is density?

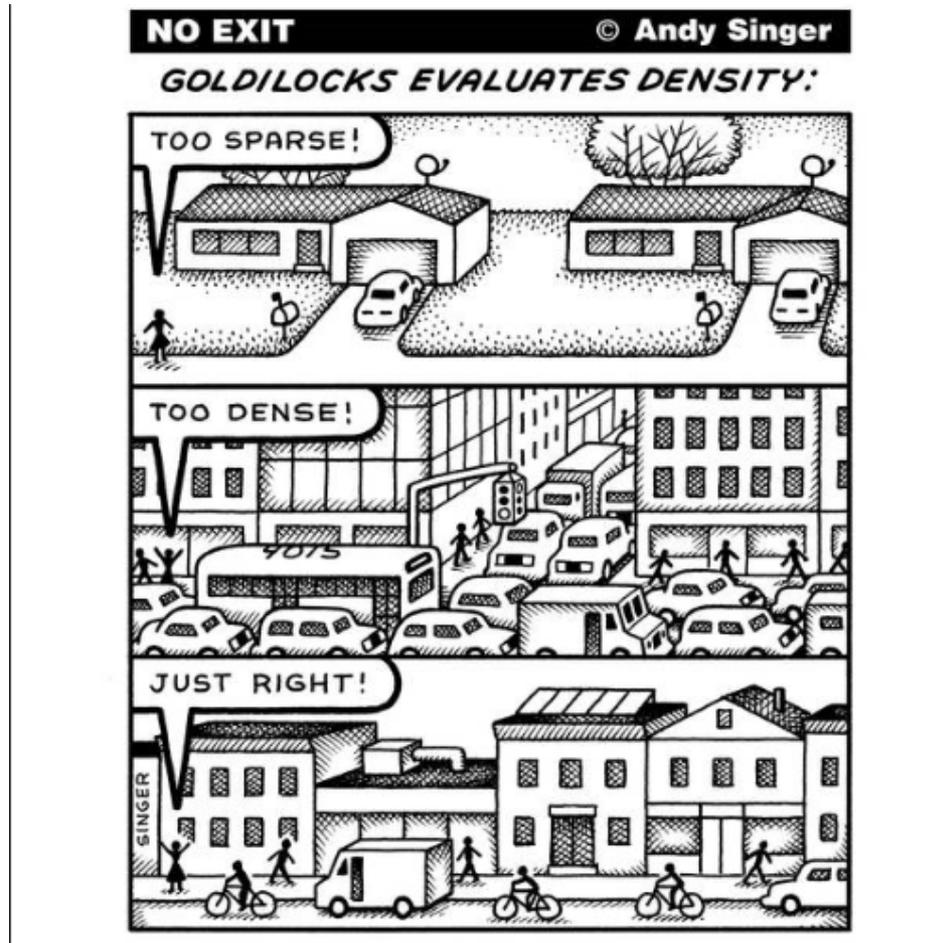
- Gross density is the number of units divided by the acreage of the entire area and net density is the number of units divided the acreage of residential land (PAS Quick Notes No. 12)

# Why does density matter?



- Cost of infrastructure
- Ecosystems viability
- Community connectedness

# What does density look like on the ground?



# 1 Unit Per Acre



Tysons Corners, VA 0.9 units / acre



context



Boulder, CO  
Region: Mountain  
Setting: Suburban  
Density: 1.7 units / acre



# 2 Units Per Acre

Goodland, KS  
Region: Midwest  
Setting: Rural  
Density: 2.5 units / acre



Cave Creek, AZ 2.7 units / acre



context



neighborhood



plan



# 5 Units Per Acre

Kansas City, KS  
Region: Midwest  
Setting: Suburban  
Density: 4.5 units / acre



Radburn, NJ 5.7 units / acre



context



neighborhood



plan



# 7 Units Per Acre



Sun City, AZ 7.6 units / acre



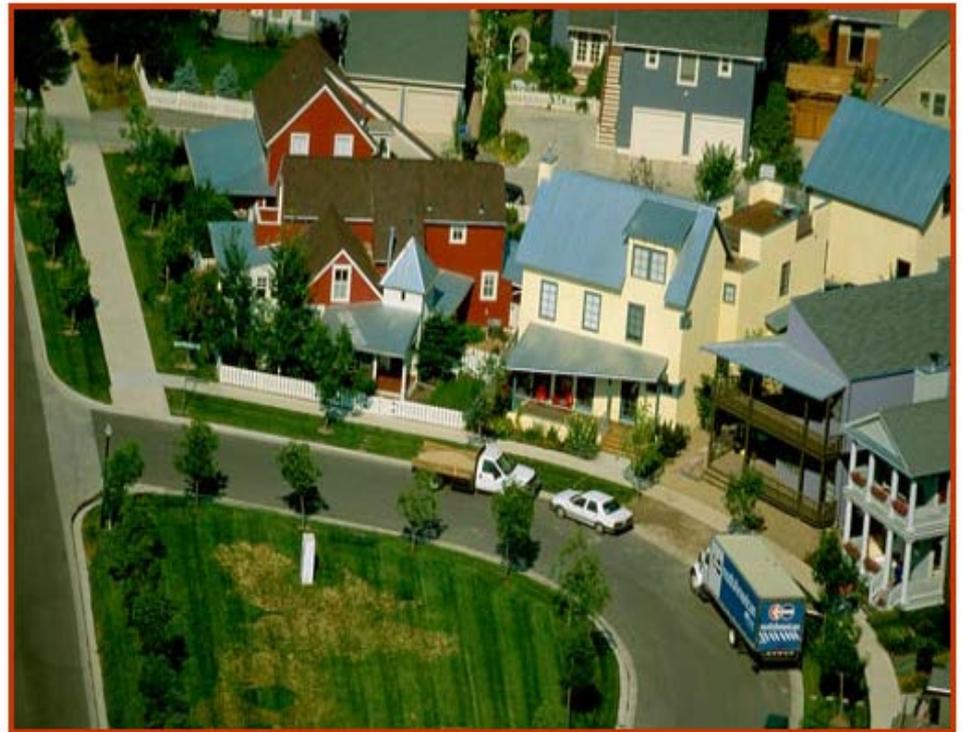
context



neighborhood

plan

Longmont, CO  
Region: Mountain  
Setting: Suburban  
Density: 8.8 units / acre



# 10 Units Per Acre



Sandusky, OH 10.2 units / acre



context



neighborhood



plan

Sandusky, OH  
Region: Midwest  
Setting: Suburban  
Density: 10.2 units / acre



# 15 Units Per Acre



Cleveland, OH 15.2 units / acre



context



neighborhood



plan

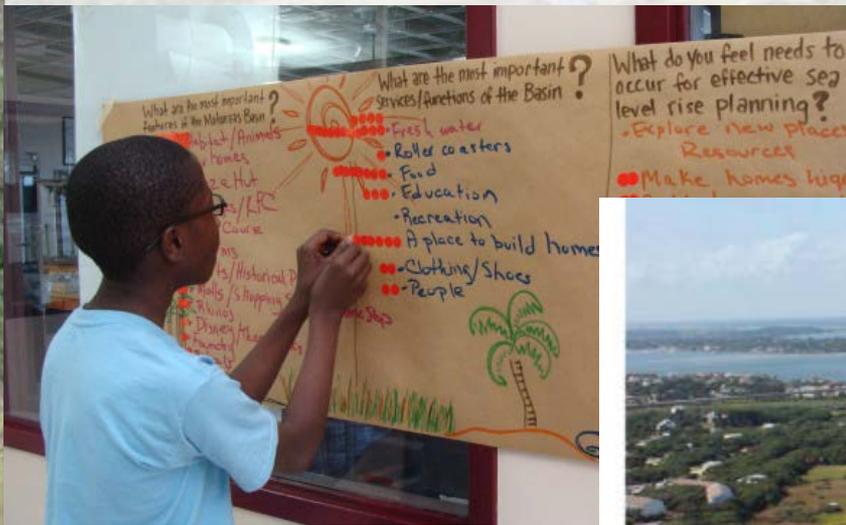
Shaker Heights, OH  
Region: Midwest  
Setting: Suburban  
Density: 15.2 units / acre



# Final Goal Achieved?

- Large Public Workshop provided a good reminder to the team about the level of concern citizens have about SLR and the related science.
- The density exercise, however, provided a unique opportunity for participants to really consider the power of infill development as a strategy that would enable meaningful conservation efforts.

# Extra Efforts



**THINK OR SWIM**

COMMUNITIES ON FLORIDA'S COAST CONSIDER WHERE THINGS WILL GO AS THE OCEAN MOVES CLOSER.

BY JENNIFER LORANT

THE PLANNING BOARD HAS AN AREA, NORTHWEST...  
...to...  
...to...  
...to...

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# Final Open Meeting

- Goal: to transfer project ownership from the University of Florida to GTM and the steering committee.



# Getting Buy In

- Both GTM staff and the steering committee were active at all phase of this action research process.
- Before developing the poster session concept, the Research Team worked with both entities to consider the manner of the final presentation.
- The poster session format was selected because:
  - Local knowledge is powerful; and
  - Participants are more engaged and get the types of specific information they crave in alternative formats.

# Preparation for the Final Open Meeting

- Research Team prepared talking points.
- These were vetted by the steering committee members assigned to each topic.
- Research Assistants prepared posters.
- Presenters exchanged emails/met the morning of the event to prepare.

# Poster Topic Assignments

**Topic (Table/Station)**

**Project Overview: (1) Purpose (2) Study Area (3) Collaborative Process(4) Technical Methods (by registration)**

**Welcome – Film**

**Local Values**

**Sea Level Rise Impacts on GTM Properties**

**SLR Impacts on St. Augustine, Palm Coast, and Barrier Islands**

**Possible Adaptation Strategies for St. Augustine, Palm Coast, Barrier Islands**

**Conservation Priorities for SLR Adaptation and Eco-Protection**

**Future Development Scenarios**

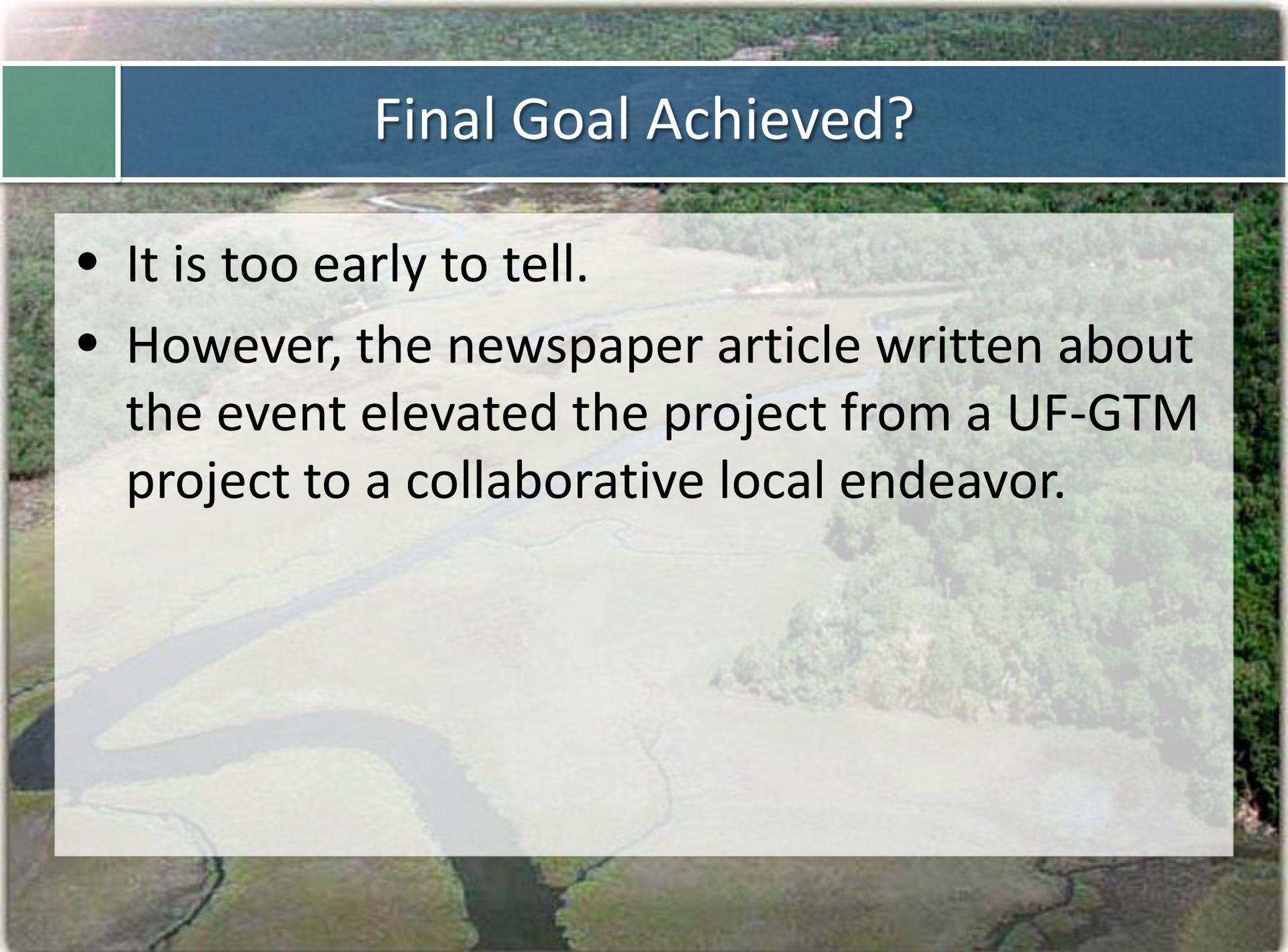
**Other Possible SLR Adaptation Strategies for GTM**

**Adaptive Capacity/Readiness**

**How you can be involved**

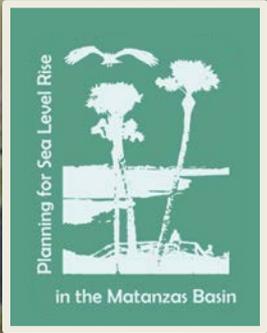
# Logistics

- Guests registered on line.
  - Attempted to keep group size at 10-15.
- Previewed project film.
- Lead from poster to poster by a guide for a 3 minute presentation followed by questions.
- Guests were given the opportunity to provide contact information and comments to ensure future participation.

An aerial photograph of a river winding through a lush green forest. The river is the central focus, with its banks covered in dense trees. The overall scene is a natural, undisturbed landscape.

# Final Goal Achieved?

- It is too early to tell.
- However, the newspaper article written about the event elevated the project from a UF-GTM project to a collaborative local endeavor.



Thank you