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Governors' South Atlantic Alliance (GSAA) Issue Area Project and Resource Needs "Snap Shot"

This Snap Shot is designed to collect brief information on the prospective projects and resource needs of the GSAA Issue Area Technical Teams to progress the GSAA Action Plan and Implementation Plan.

Issue Area: Healthy Ecosystems

Project Title: Expected effects from increasing development and climate change on estuarine habitats and biological resources in the South Atlantic coastal ecosystem

Action to be Addressed: *Please write out the Action and reference its code number [e.g. CCOW1A, WW2B]*

H.E. 2.A - Identify priority issues (e.g. Sea level rise, ocean acidification, coastal development resiliency, and other major anthropogenic issues) and evaluate coastal resources at greatest risk to 1) climate change and 2) anthropogenic effects from coastal and inland development.

Resources Needed: *[including cost in thousands]*

Funding for intern or temporary person to compile existing literature and write up summaries (Objective 1). ~ \$10,000-\$20,000

Expected Timescale: *[in years and months]*

6-12 months (Objective 1)

1-2 years for remaining objectives

Description

Background: *Please provide 1 to 2 paragraphs. Include details about the needs this project addresses and a description of the current status of information for the proposed topic and its level of adequacy.*

Climate change and anthropogenic effects from coastal and inland development are significant and large scale factors that can have varying short and long term effects on the region's natural and cultural resources. A number of different initiatives to address these factors are ongoing or are being planned but they need to be reviewed and assessed to determine if they overlap, duplicate or if there are gaps to this proposed project.

Objectives: *Clearly and succinctly state the objectives or expected outcomes of this project.*

1. Compile inventory of regional efforts regarding development and climate change. Put into HE Dropbox.

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2. Identify existing models known to be predictive of climate change and anthropogenic effects on estuarine ecosystems.
3. Consider expanding on ACHFP existing online effort (Mo Nelson) regarding threats to coastal habitats and estuaries.
4. Distill information into a unique suite of issues for the South Atlantic for use on the portal.

Approach/Methods: Provide a brief description on the process, techniques, or tools that may be used to meet the objectives of the project. If applicable, describe where this project ties in with other efforts, and if so, how.

HE2A is a large topic area; one that needs to be focused by the HE team. Information for objective 1 will be distilled by an intern/temporary person and potentially at a workshop to determine the most appropriate information to include.

Potential Partners: Identify partners that could work with the IATTs to accomplish the project objectives, or partners that have the expertise to develop and execute the project as an independent study. Where possible, include points of contact and descriptions of roles.

NMFS

ACFHP

NC DENR, WRC

SC DNR, DHEC

GA DNR

FL FWC, FDEP, and FDEO

National Climate Assessment Report

State level climate report