

# RSM and the RSM Program

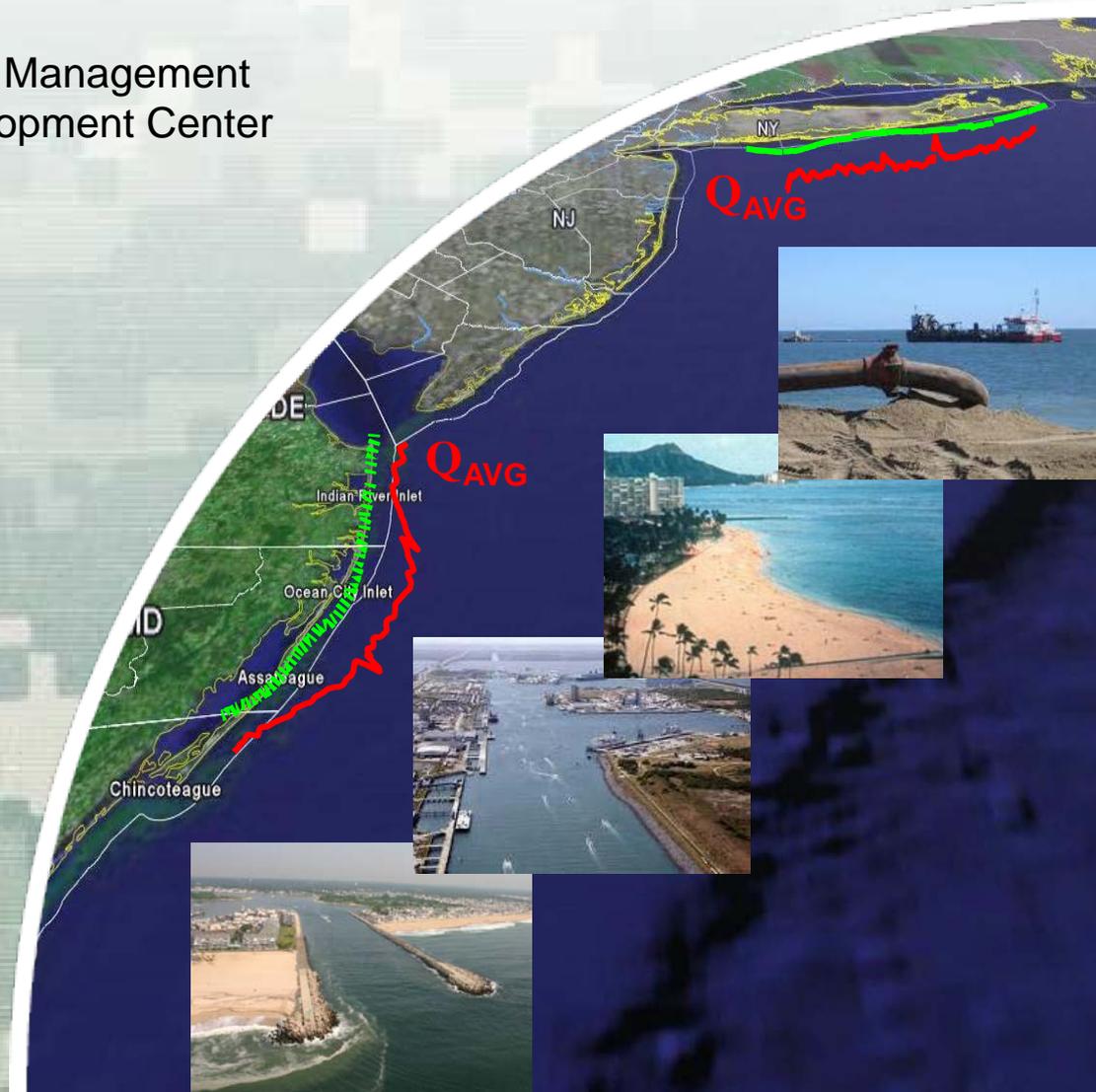
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**Regional Sediment Management  
In-Progress-Review and Workshop  
10-12 August 2011**



US Army Corps of Engineers  
**BUILDING STRONG**



# CW Research, Development, & Technology

## Navigation

Dredging Operations and Environmental Research

Coastal Inlets Research

Navigation Systems

**Regional Sediment**

**Mgmt**

Monitoring Completed

Navigation Projects  
Dredging Operations  
Technical Support

Coastal Zone Mapping and Imaging Lidar

Inland Electronic Navigation Charts

## Flood Risk Management

Flood & Coastal Storm Damage Reduction

Coastal Field Data Collection

Nat'l Shoreline Erosion Control Development/Demo

## Environmental Restoration

Ecosystem Mgmt & Restoration

Submerged Aquatic Vegetation Restoration

Wetlands Mgmt

Water Operations  
Technical Support



# RSM Technical Transfer



**Districts**



**Regional Sediment Management**

**Navigation/Dredging**

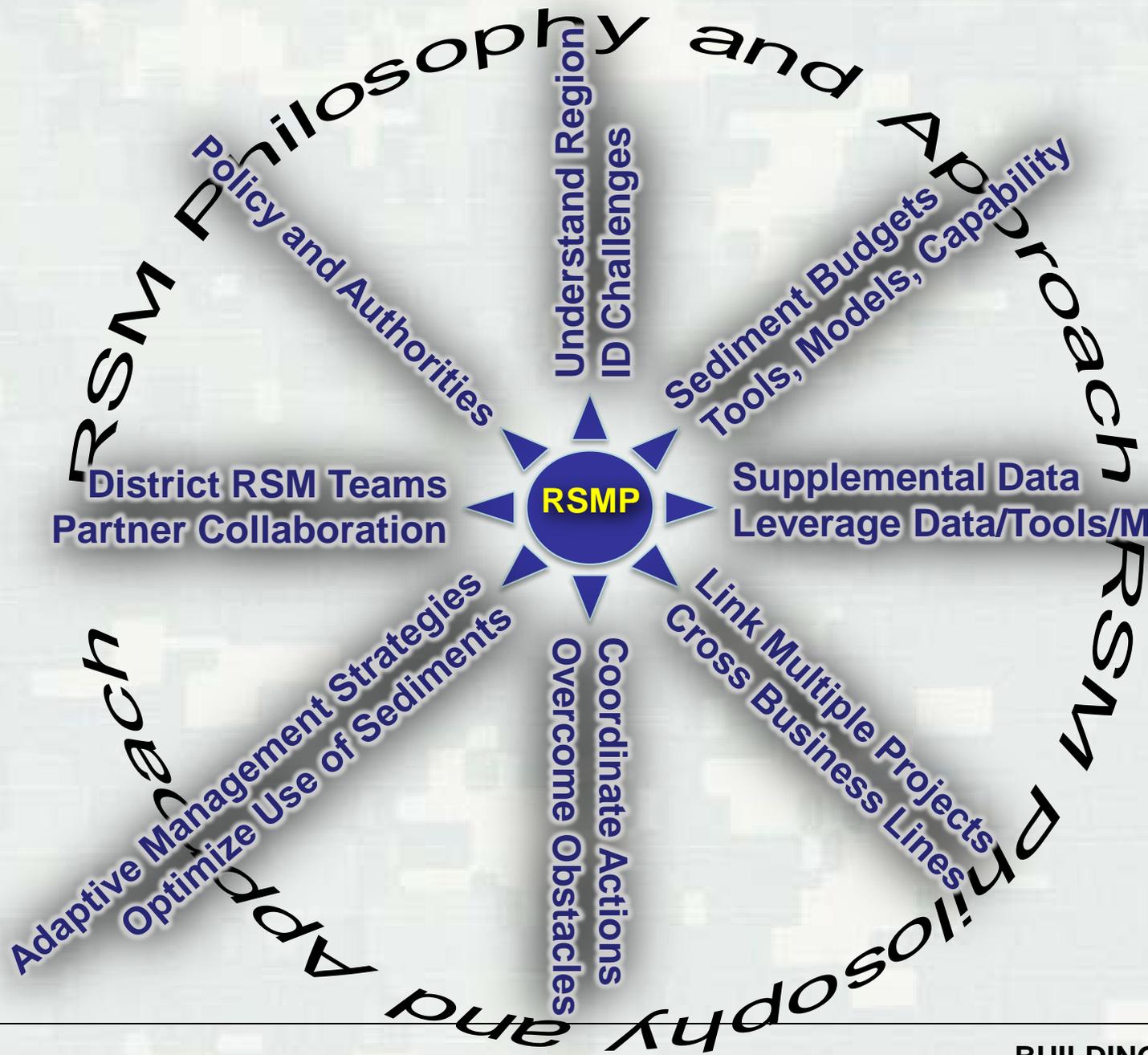


**Flood Risk Management**



**Environmental Restoration**





# RSM Future Direction Long-Term



# Engineering with Nature



- Working with Nature (PIANC)
- Regional Sediment Management
- Beneficial Uses of Dredged Material



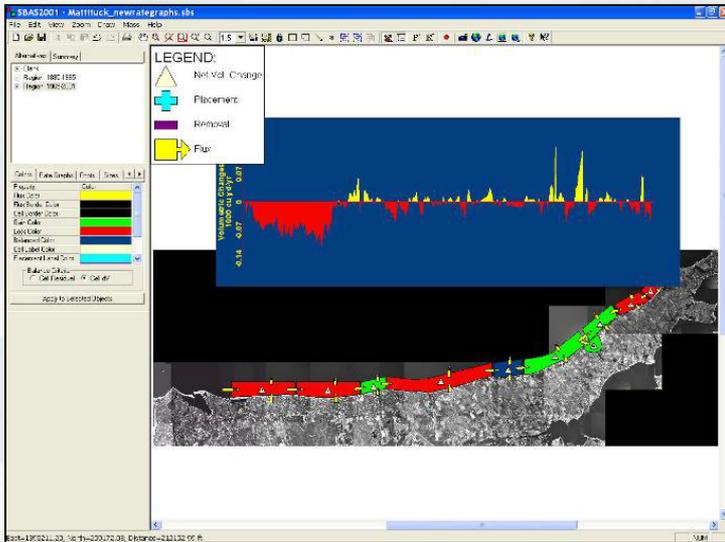
# RSM Long-Term Engineering With Nature

“Intentional alignment of natural and engineering processes to efficiently and sustainably deliver economic, environmental, and social benefits”

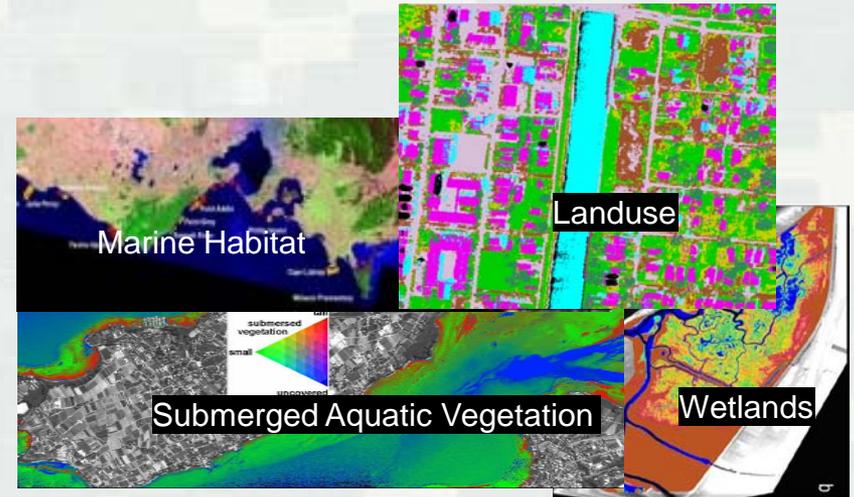
- Bridge engineering w/ecosystem and environmental processes
- Working with natural forces and processes to accomplish long-term goals
- Enhance existing capability to capture natural processes in a beneficial way
- Action oriented, results producing approach



# Bridge Sediment Processes with Environmental Processes



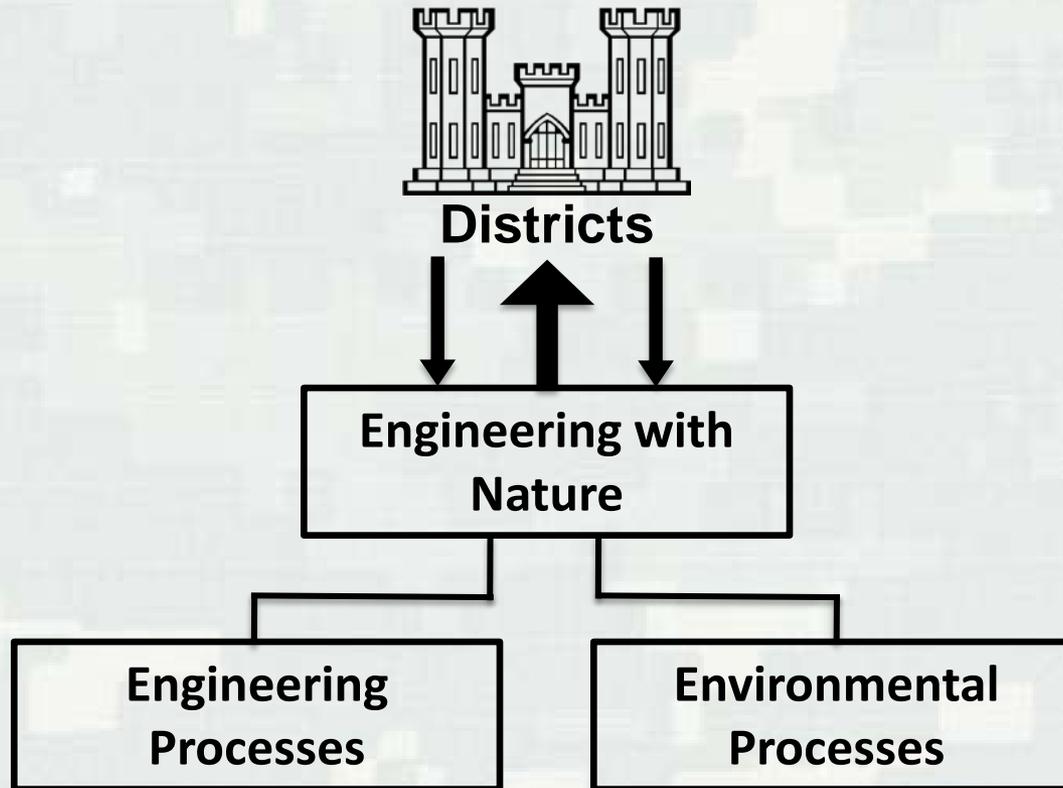
**Sediment**



**Environmental**



# RSM Long-Term



# Berms Research: RSM, CIRP, DOER



## Guidance needed for:

- Design
- Operations & Placement
- Evolution
- Benefits



\*Federal standard: *Least cost, environmentally acceptable*

\*\*FL: *>10% fines cannot be placed on beach*