

**Gulf of Mexico Regional
Sediment Management (RSM)
Initiative
(GoMEX-RSM-I)**

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Introduction

- Purpose of GoMex - Commander commitment and direction
- Charge from MG Griffin
- Why Pursue GoMex RSM Initiative?
- How to proceed?
 - ERDC and IWR as resources
 - Will discuss approach at end

Gulf of Mexico Regional Sediment Management

- **CERB Recommendation**
- **Expand and accelerate approach beyond demos**
- **Via a regional, cross-command effort**
 - **Build upon SAM, SAJ, and SWG efforts**
 - **Engage MVN**

What will it do?

- Share data and leverage information
- Jointly explore sediment mgt needs and opportunities in system
- Seek to achieve smarter and more cost effective mgt of sediment resources

Why?

- Corps manages huge volume of sediment in region
- Improve data and science for decisions
- GIS to improve data availability and use in planning and decisions
- Make jobs easier and quicker
- Share experiences and lessons learned
- Opportunities to standardize practices and products
- Provide forum for regional input to NSMS

Initial Work

- Establish initial goals and objectives
- Look for leveraging opportunities
- Determine the state of the sediment budget knowledge
- Convene GIS POCs: gurus, data users, resource contacts (districts, labs, agencies)
- Identify resource requirements for assessing
 - State of continuity of sediment models, etc

Why Pursue GoMex RSM Initiative?

- Build digital infrastructure
- Institutional infrastructure – intra- and inter-agency
- Effect technology transfer among 3 districts w/large sediment management roles
- NSMS regional report

Digital Infrastructure

- **What** – A common system across the Gulf for using and sharing geospatial data (enterprise Gulf GIS (eGulf)).
- **Why** – Regional data is a new business practice.
 - Focuses on regional & project data
 - Supports regional sediment budget
 - Protects capital investment
 - Provides access and sharing
 - Provides common decision support tools
 - Leverages USACE eGIS initiatives
 - Use to leverage other agencies

Digital Infrastructure

- **How** – Build on the RSM GIS
 - Geodatabase and applications available
 - Compatible with existing system(s)
 - Link across GoMex
 - Use and expand for GoMex needs
 - Share applications, regional data, experiences

Institutional ‘Infrastructure’

- **What** – Network for sediment-related coordination and collaboration
 - within Corps, w/other agencies, and levels of government
- **Why** – Accelerate RSM implementation across districts, MSCs (CoPs, RBCs)
 - Transfer successful approaches and technological advances
 - Provide a framework for improved mgt decisions and actions
 - Establish forum for regional input to NSMS

Institutional Infrastructure

- **How –**
 - Form COE GoMEX-RSM Staff Network
 - Learn about MVN RSM approaches/Introduce MVN to RSM demo efforts
 - Identify critical mgt buy-in across districts
 - Engage staff across districts – goals, needs, and opportunities
 - Initiate Formation of Multi-Stakeholder Network
 - Other Federal and state agencies
 - Identify “sediment managers”
 - Identify needs and leveraging opportunities

Initial Efforts to Form Stakeholder Network

- Federal: USGS, NOAA, Navy, NASA, FWS, EPA, NPS, FEMA, Air Force, Others ...
- States: FL, AL, MS, LA, TX
- Identify efforts with opportunity to leverage
- Identify what we could accomplish w/additional \$\$

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<http://www.iwr.usace.army.mil/NSMS/nsmshomeframeset.html> - NSMS

<http://www.wes.army.mil/rsm/> - ERDC RSM Site

<https://rsm.saj.usace.army.mil/index2.html> - SAJ RSM Site