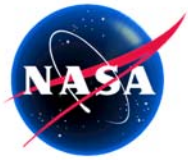


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Contributions to the Gulf of Mexico Alliance

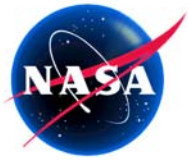


NASA Response to Governor Barbour



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- **Coastal Initiative Focused on Gulf of Mexico**
 - Product-driven approach to Gulf of Mexico issues
 - Emphasis on NASA-SSC collaborations with GOMA Federal, State, and regional partners
- **Goals of NASA Gulf Coast Applications Program at SSC**
 - Focus NASA-SSC expertise, capability on coastal science to support Gulf management issues and NASA Applied Sciences Program strategy
 - Strengthen collaborations and integrate projects with GOMA entities and other regional efforts
 - Evaluate NASA and affiliated data and research results for Gulf of Mexico coastal management suitability
- **Initial Projects**
 - Gulf of Mexico Alliance Applications Pilot: Assessing Land-Use Land-Cover Change in the Mobile Bay Region from 1972-Present
 - Coastal Online Assessment and Synthesis Tool (COAST) data acquisition, display, and visualization in Gulf-wide or estuary format
 - Integrated Approach to Hypoxia Assessment of the Northern Gulf Of Mexico



Relevant Projects for Next Action Plan



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- Estimating Intra-Annual Nutrient Loading in Streams and Rivers in Northern Gulf Catchments Using Remote Sensing Data Products and Watershed Models
- Use of NASA Satellite Data in Monitoring Gulf Coast Forest Conditions
- Coastal Marsh Monitoring for Persistent Saltwater Intrusion
- Standardized, Satellite-Derived Suspended Particulate Matter Product for Gulf of Mexico Coastal Waters
- Satellite Estimation of Suspended Particulate Loads in and Around Mobile Bay, AL (Collaboration with Mississippi State University)
- NASA Satellite and Naval Research Laboratory Model Data Products for Operational Harmful Algal Bloom Forecasting in the Gulf of Mexico (Cooperative Agreement with Naval Research Laboratory and Applied Coherent Technology, Corp.; Collaboration with NOAA and EPA)