Using Remote Sensing to Quantify Ecosystem Services for Improved Coastal Decision Making

Meeting Agenda

When: 9AM to 1PM CST (lunch provided)
Where: Grand Bay National Estuarine Research Reserve
6005 Bayou Heron Road
Moss Point, MS 39562

Meeting Objectives

- Explore remote sensing data that can be used to quantify ecosystem services and values
- Discuss tools and models available for utilizing remotely sensed data and assessing Ecosystem Services
- Identify opportunities for using Ecosystem Service information to improve Gulf restoration and coastal management
- Identify data gaps and needs associated with the use of remotely sensed data

Agenda

9:00 – 9:15 **Welcome and Introductions**

9:15 – 10:15 **Ecosystem Service methods and data sources and tools**

- Data sources
- Valuation approaches
- What can be learned from Earth Observations
- Tools for Ecosystem Service mapping

10:15 – 10:45 **Local expert: Coastal systems research, resource management, planning**

Break

11:00 – 11:45 **Discussion on local coastal priorities and efforts**

- What resources or issues are most important to participants related to coastal management and planning?

- What kinds of decisions could be informed by remotely sensed data or spatial Ecosystem Service information? Resource management? Project planning? Project evaluation? Proposal development? Monitoring? What scale?
- What data are being used to inform coastal management decisions? To what extent is continuous spatial data used? Is Ecosystem Service information being used in coastal management or planning in MS?

Working lunch (provided)

12:00 – 12:40 **Case studies of coastal Ecosystem Service applications**

12:40 – 1:00 **Questions, next steps and follow-up efforts**