

Using Remote Sensing to Quantify Ecosystem Services for Improved Coastal Decision Making – a Louisiana workshop

Meeting Agenda

When: April 10, 2018; 9:30AM to 1:30 PM CST (lunch provided)

Where: [CPRA](#) and [LSU Center for River Studies](#)

The Water Campus

100 Terrace Ave.

Baton Rouge, LA 70802

Meeting Objectives

- Explore remote sensing data that can be used to quantify ecosystem services and values
- Demonstrate 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

9:30 – 9:45 **Welcome and Introductions**

9:45 – 10:45 **Ecosystem Service methods and examples**

- Examples – using remote sensing data to quantify Ecosystem Services
- Remote Sensing fundamentals
- Data sources: access and visualization; NASA's Giovanni

10:45 – 11:15 **Local expert: Coastal systems research, resource management, planning**

- TBD

Break



Applied Sciences Program
NASA Earth Science



11:30 – 12:15 Discussion on local coastal priorities and efforts

- 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?

Working lunch (provided)

12:15 – 1:15 Data, tools, examples of spatial Ecosystem Services

- Data Access: NASA's EarthData
- Ecosystem Service Tools: InVEST, Co\$ting Nature
- Example
- Ecosystem Service valuation

1:15 – 1:30 Questions, next steps and follow-up efforts