Use of NASA Satellite Data to Improve Coastal Cypress Forest Management

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Project Introduction

- **Problem**
  - Information gaps exist regarding health status and location of cypress forests in coastal Louisiana (LA)
  - Such information is needed to aid coastal forest conservation and restoration programs

- **Approach to Issue Mitigation**
  - Use NASA data to revise cypress forest cover type maps
    - Landsat and ASTER data
  - Use NASA data to identify and track cypress forest change
    - Landsat, ASTER, and MODIS data
  - Work with partners and end-users to transfer useful products and technology
Relevant Decision Support Systems

- LA Coastal Forest Conservation Initiative
- LA Coast-wide Reference Monitoring System (CRMS)
- Northern Gulf of Mexico Ecosystem Change and Hazard Susceptibility project
Project Partners and End-Users

Implementation Team
- U.S. Army Corps of Engineers
- U.S. Geological Survey (USGS) National Wetland Research Center (NWRC) Coastal Restoration Field Office
- LA Department of Natural Resources (LDNR)
- University of Maine School of Forest Resources

End-Users
- LDNR
- USGS NWRC
- Barataria Terrebonne National Estuary Program
- LA Department of Environmental Quality

Other Potential End Users
- U.S. Mineral Management Service
- U.S. Environmental Protection Agency
- U.S. Forest Service
- The Nature Conservancy
- Louisiana State University

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