



Use of NASA Satellite Data to Improve Coastal Cypress Forest Management

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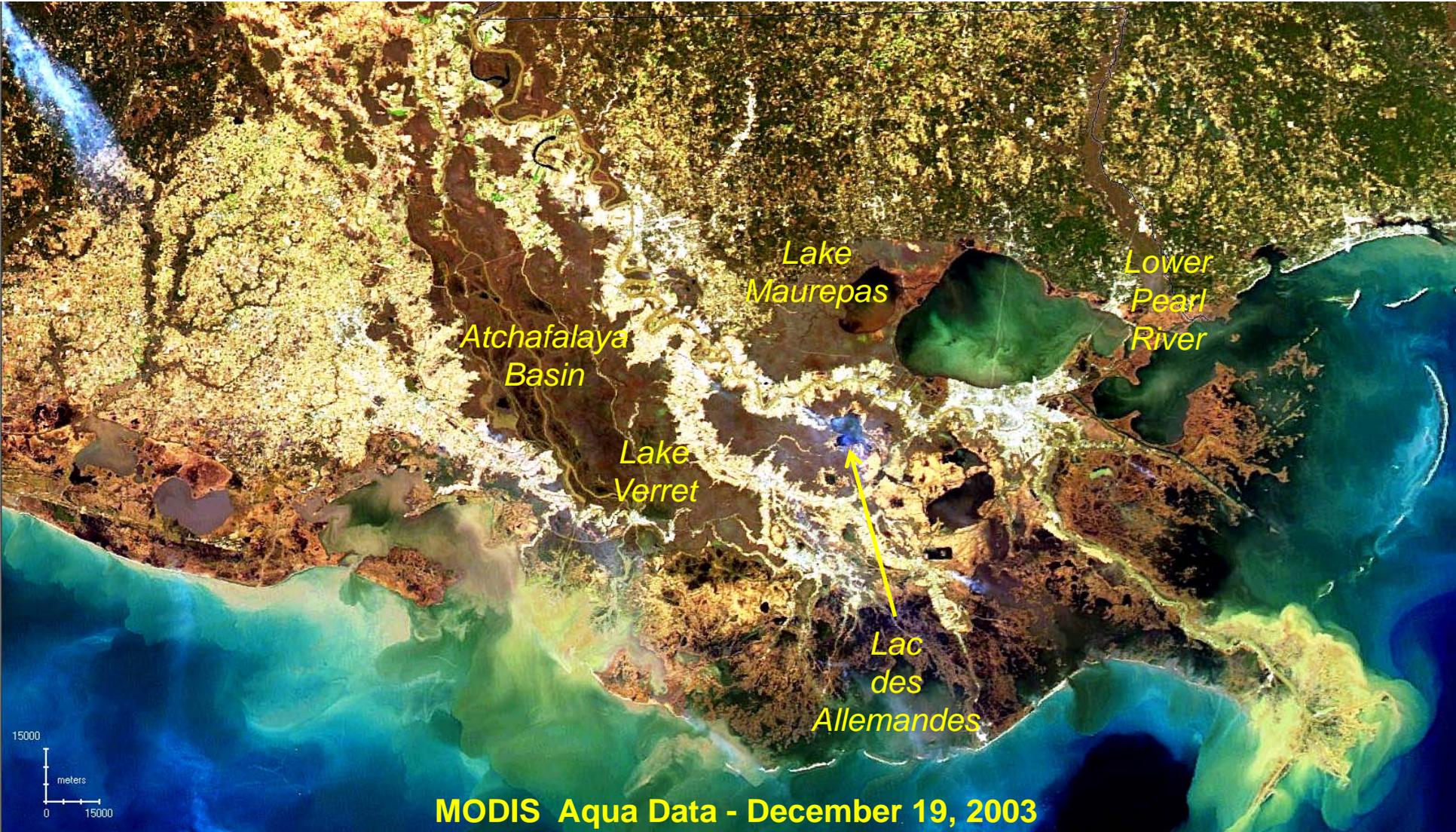
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Project Introduction



- 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

Primary Study Areas



MODIS Aqua Data - December 19, 2003

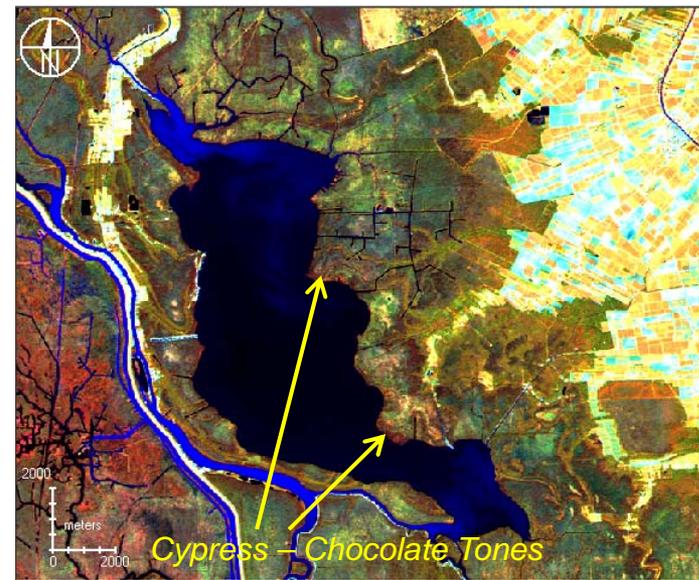
Relevant Decision Support Systems



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



*IKONOS – November 11, 1999
Pearl River, Stennis Space Center, MS*



*Landsat 5 – October 20, 2009
Lake Verret, LA*

Project Partners and End-Users



Stennis Space Center

- 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

*Contributed
Letters of Support to
Proposal*



Participation in this work by Science Systems and Applications, Inc., was supported by NASA at the John C. Stennis Space Center, Mississippi, under Task Order NNS04AB54T.