



# **Overview of the NASA Applied Sciences Program Gulf of Mexico Initiative**

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In 2007, NASA created a collaboration with Federal, state, local, academic, and other entities involved in the five-state Gulf of Mexico Alliance (GOMA) to identify user needs that can be addressed by NASA research results and satellite observations.



To support this initiative, NASA issued an amendment to ROSES 2008 to create a suite of projects to enhance the Gulf of Mexico region's ability to recover from the devastating hurricanes of 2005 and to plan for a sustainable and prosperous future through the use of NASA Earth science observations and research. 35 projects were selected with a total budget of over \$13M.

In continued support for this initiative, NASA issued an amendment in ROSES 2009 to create a suite of projects that will enhance the Gulf of Mexico region's ability to use NASA Earth science observations and research in decision making activities. This solicitation has a special emphasis on climate adaptation and climate change impacts in the Gulf region and southeast United States. Proposals were due on November 19.

# NASA Applied Sciences Gulf of Mexico Initiative



Many initial successes!

- Formation of an independent Steering Committee representing the research, end-user, and operational communities in the Gulf of Mexico. This committee evaluated pilot projects developed at SSC -- in collaboration with other partners -- throughout the development and execution cycle. The committee made recommendations to the Applied Sciences Chief at SSC during this process.
- Completion of a wide range of pilot projects across the spectrum of GOMA priorities.
- Development and launch of the Coastal On-line Assessment and Synthesis Tool (COAST).
- Development of a five year strategic plan for the Initiative.
- Cover article of the *Photogrammetric Engineering & Remote Sensing* journal.
- SSC selected for one ARRA project – development of an *In-Situ* Optical Instrument Suite for rapid, short-term deployment for coastal studies.



# Distribution of Total Proposals, by PI organization – GULF 2008 (A.28)

## Applied Sciences - ROSES-08 A.28 GULF

### *Total Proposals, by PI Organization*

	Submitted	
Total Proposals	69	
By PI Organization	Proposals Submitted	% of Total Submitted
NASA	6	9%
Academia	42	61%
Other Fed	6	9%
Private (NGO/Industry)	13	19%
State Govt	2	3%

**Selected: 35**

**51% of Total  
Proposals**



# Distribution of Selections (by PI organization) – GULF 2008 (A.28)

## Applied Sciences - ROSES-08 A.28 GULF

*Proposals by PI Organization (Total Proposals: 69)*

PI Organization	Proposals Submitted	Selected	% Selected of Those Submitted	Total # of Awards	% Selected of Total Awards
NASA	6	3	50%	35	9%
Academia	42	22	52%		63%
Other Fed	6	3	50%		9%
Private (NGO/Industry)	13	6	46%		17%
State Govt	2	1	50%		3%



# **GULF 2009 (A.40): “Earth Science for Decision Making: Gulf of Mexico Region”**

## **Particulars**

- Total Amount of Funding : ~\$5M total
- Anticipated Number of Awards: 10 – 20 projects
- Expected Range of Award per project: Up to 400K total
- Period of Performance: Up to 24 months

## **Schedule**

- Proposals Due: November 19, 2009
- Peer Review Panels: February 2010
- Earth Science Selection Committee Review: March 2010
- Selections Announced: April 2010

# Purpose of this Workshop

- Meet with NASA program sponsors.
- Learn about the NASA Applied Sciences Program, the Gulf of Mexico Alliance, and our partners.
- Network with others conducting Gulf of Mexico projects.
- Explore opportunities for collaboration or leveraging results between projects (roundtable discussions and breakout sessions).
- Highlight issues of importance to the Gulf Region for future projects.

**Create a PROGRAM rather than 35 individual projects!!!**



# Communications/Outreach/Deliverables

- Press Releases
- Publications (particularly in peer-reviewed or trade journals)
- Conference presentations (particularly to end-user communities)
- Highlights for showcase at NASA HQ
- Semiannual Reports – Performance and Financial
- Demonstrations and Prototypes
- Final Report
- Final Project Review and Workshop





**THANK YOU!**

