ROSES A.29: HyspIRI Preparatory Activities Using Existing Imagery

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Solicitation Overview

- *HyspIRI Preparatory Activities Using Existing Imagery* (ROSES A.29) released February 13, 2009
- Sought to support development of HyspIRI mission concepts and engage potential research communities in preparation for HyspIRI data
- Asked for assembly of HyspIRI-like data sets from existing high-altitude airborne and/or satellite platforms carrying imaging spectrometers and multispectral thermal instruments
- Provided Combined Questions as examples of types of research questions to address
  - Focus on addressing a strong research question
- Welcomed proposals using AVIRIS and MASTER data from NASA ER-2 platform and/or data from EO-1 Hyperion and ASTER instruments
- Funded projects should help lay the foundation for future solicited airborne campaigns
- Called for ~ three to seven 1-year projects; ~$500,000 total budget
Solicitation Response

- May 7, NASA received 28 proposals
- Broad array of topics covered
  - Ecology (various topics)
  - Hydrology
  - Volcanology
  - Surface mineralogy
  - Glaciology
  - Climatology and atmospheric sciences
  - Coastal and marine
  - Etc.
- Almost all proposals call for the use of both VSWIR and TIR imagery
- Review panel very soon
- Difficult decisions
- Announcement likely in October
Solicitation Next Steps

- Fund new research projects
- Reports at next HyspIRI Science Workshop
- Also have Terrestrial Ecology Solicitation (ROSES 2009 A.4) proposals
  - Submitted June 12, 2009
  - Subelement 2 calls for ecological and biogeochemical research with application to SMAP and HyspIRI
  - HyspIRI: Studies for understanding seasonal expressions and cycles, the temporal evolution of disturbance and recovery processes, and/or biogeochemical cycling processes in terrestrial ecosystems
  - Focus on imaging spectrometer data
- Please note the IDS (Interdisciplinary Research in Earth Science) solicitation (NASA ROSES A.22)—proposals due September 10, 2009
- Future Solicitation Issues
  - Funding in FY11
  - Airborne campaign or existing imagery
  - Applications as well as research
  - Timing of Science Definition Team competition (results from timing of MCR)