



ROSES A.29: HypSIRI 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 HypsIRI mission concepts and engage potential research communities in preparation for HypsIRI data
- Asked for assembly of HypsIRI-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 HypsIRI 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 HypsIRI
 - HypsIRI: 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)