

Funding Opportunities from NSF

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universities allied for water research

Upcoming Competitions

- ▶ Hydrologic Science (Dec. 1)
 - “Declaration” for observatory development
 - Standard “science” proposal
- ▶ Cyberinfrastructure
 - CEO:P (January 25) 06-505
 - EAR/IF (February 8) 05-587
- ▶ Pilot Synthesis Center (~Feb 15) unsolicited
- ▶ Carbon/Water Cycle (~Mar 15)



"Declaration"

- ▶ Projects to resolve issues for observatories
 - Core data: Proof-of-concept of fluxes, flowpaths, stores, residence time or alternate approach
 - Watershed compartmentalization across scale
 - Sensors/sensor networks to reduce O&M
 - Data assemblage or gap analysis insufficient by itself
- ▶ Review draft Science & Implementation Plan
- ▶ Separate panel (with engineering)
- ▶ ~\$200K/year proposal (\$1M total program)



HS Standard Proposal

- ▶ Hypothesis-based
- ▶ Encouraging submission from HO teams that have assembled data and are ready to “do some science”
 - Integration of monitoring and research data
 - Larger scale effort than typical proposal
- ▶ Competitive in standard HS panel



CEO:P

- ▶ Includes 2 domains and computer science
- ▶ Hydrology not explicitly mentioned, but not penalized
- ▶ Emphasis on development of CI useful for multiple disciplines
- ▶ Can propose up to ~\$1M/yr
- ▶ \$8.5M program



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EAR/IF Geoinformatics

- ▶ Encouraging submission based upon HIS Draft Report
- ▶ “Operational” center
 - Provide service to community—focus on technologies that are ready to implement
 - Propose method for providing that service
 - Partners include supercomputing centers, NSF STC’s (NCED, SAHRA)
 - Funding ~\$900K/yr for 5 yrs
- ▶ Smaller “thematic” centers for specific development activities (~\$200K/yr for 2 - 3 years)



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Pilot Synthesis Center

- ▶ Insufficient funds for full SC
- ▶ NSF offering \$500K/yr for 3 years with potential increase to \$1M in final year
- ▶ Demonstrate utility and need for SC
- ▶ Details being worked out
- ▶ Look for announcement on CUAHSI web site



Water and Carbon Cycle

- ▶ Should be announced about December 1
- ▶ Use existing data for
 - Carbon transport from land to sea
 - Sequestration in soils
 - Water as transport vector



CUAHSI's Role

- ▶ Open NSF competitions with multiple submissions
- ▶ Principle: CUAHSI will support whoever succeeds in NSF competition
- ▶ Proposal: Include statement requesting CUAHSI support and specifying CUAHSI's role
- ▶ Funding: Presumably small amounts will be required for CUAHSI's participation; handled subsequent to competition as supplement to CUAHSI core funding



Reminders

- ▶ Dec. 1—Membership Annual Meeting
- ▶ Dec. 6 (Tuesday)—CUAHSI Reception at Fall AGU Meeting
- ▶ January 9 – 12 USA PUB Workshop, Berkeley, CA
 - Registration deadline: Dec. 1.



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