

**Federal Interagency Sedimentation Project**

# **FY2012 Call for Proposals**

**Submission Date: On or Before Midnight, Sunday, Oct. 23, 2011**

**Submit to: Mark N. Landers ([landers@usgs.gov](mailto:landers@usgs.gov))**

This is an announcement for project proposals consistent with the mission and current focus areas of the Federal Interagency Sedimentation Project (FISP). The FISP (FISP; <http://water.usgs.gov/fisp/>) is an independent, interagency project overseen and supported by a Technical Committee consisting of representatives from the U.S. Geological Survey, U.S. Army Corps of Engineers, U.S. Bureau of Reclamation, the Agricultural Research Service, U.S. Bureau of Land Management, U.S. Forest Service, and the U.S. Environmental Protection Agency. The FISP was created in 1939 as part of the Subcommittee on Sedimentation (<http://acwi.gov/sos/>) to unify the research and development activities of Federal agencies involved in fluvial-sediment monitoring and investigations. Mark Landers ([landers@usgs.gov](mailto:landers@usgs.gov)) is the FISP Chief.

The continuing mission of FISP is to provide leadership in the development of standardized, calibrated equipment and methods to allow consistent and accurate quantification of sediment characteristics and transport in surface waters. FISP activities focus on the measurement, computation, and analysis of suspended sediment (SSC), bedload, bed material, bed topography, sorbed constituents, and sediment characteristics using physical samplers and surrogate technologies.

FISP interacts with other organizations including federal agencies, academia and private industry on research and development to improve the quality and cost effectiveness of sediment-based data. To the extent that funds are available, FISP solicits proposals and seeks to leverage funds and resources to cooperatively achieve these goals. Preference will be given to proposals that share development costs, directly or indirectly.

In general, FISP-supported research studies are formulated to (1) identify, develop, or test emerging surrogate technologies or methodologies, or (2) provide improvements to physical samplers. The FISP research focus areas for 2012 for which proposals are specifically encouraged are:

- Evaluation and verification of accuracy of FISP bag-type physical sediment samplers for a range of sediment size/SSC/ fluid temperature conditions,
- Acoustic surrogates for quantifying SSC and grain-size distributions,
- Comparability and accuracy of SSC data from gravimetric and volumetric analytical methods,
- Temporal and spatial variation of SSC and grain-size distributions, and
- Surrogate bedload-transport monitoring

Proposals should be submitted directly to the FISP Chief. FISP rarely funds proposals exceeding \$50,000. Large proposals are best split into logical units that can be funded over several years in approximately \$25,000 increments. Support from one of the participating Federal agencies can be advantageous.

Proposal should be submitted via letter or email attachment on or before October 23, 2011, and will be evaluated by the FISP Technical Committee at the annual Fall Meeting held in November 2011.

Proposals (and questions as necessary) should be submitted (ideally as an email attachment) to:

Mark Landers, P.E., D.WRE  
Chief, Federal Interagency Sedimentation Project  
3039 Amwiler Road, Suite 130  
Atlanta, Georgia 30360  
[landers@usgs.gov](mailto:landers@usgs.gov)  
[water.usgs.gov/fisp](http://water.usgs.gov/fisp)