FACULTY SUMMER AND ACADEMIC YEAR RESEARCH SUPPORT
2009 - 2010

Application due by web submission on February 12, 2009
Web Forms available December 11, 2008

This is an invitation for proposals for 2009- 2010 Faculty Summer and/or Academic Year Research Support, to participate in The Streams Project of the Vermont EPSCoR Program or carry out research related to the watershed or complex systems computation.

Options for Funding:
1. Streams Project non-research participation:
   The Streams Project is a collaborative effort among high schools, undergraduates and faculty to monitor rivers and streams of the Lake Champlain watershed over the course of three years and analyzes the samples for phosphorus, bacteria (by molecular techniques) and invertebrates, all indicators of water quality. The team will upload data into a web site and project database and the data will be modeled to test specific hypotheses about the sources of pollution from our watershed. Examples of how to participate include the following:

   A. Act as a mentor to a team of high school or undergraduate students
   B. Assist with training students during the 2 training weeks in June 2009: June 1-5 (undergraduates) and June 28-July 2 (high school students).
   C. Perform laboratory analysis of phosphorus, coliform bacteria or macroinvertebrate samples.
   D. Other?

2. Streams Project research: Carry out research related and complementary to the Streams Project throughout the summer and/or academic year.

3. Carry out research in complex systems computation, whose application is not limited to the watershed or environmental problems.

Who is eligible?
- Tenure track faculty at colleges in Vermont other than UVM.

What are the awards?
- Option 1 – Faculty may request up to $5,000 for summer or academic year research
- Options 2 & 3 – Faculty may request up to $10,000 for summer or academic year research and up to $15,000 for both the summer plus academic year.
Instructions for Participation in the Streams Project (Option 1):

On line you will find a place to submit the following:

- An explanation of how your expertise complements the goals of The Streams Project (up to 1 page).
- An explanation of why you are interested in the Streams Project and what you hope to get from this work (up to 1 page).
- Your Curriculum Vitae
- Budget (1 page) and Justification (1 page)
- Which aspect of The Streams Project that interests you most: acting as a student mentor, performing analytical work (phosphorus, bacteria typing by molecular biology, or invertebrate identification), assisting with training of students, data analysis and modeling, or other? (up to 1 page)
- Are you applying for support for academic year, summer or both?

Instructions for Research Projects that Complement the Streams Project (Option 2) or in Complex Systems Computation (Option 3):

- Title
- Abstract (200 words)
- Budget (1 page) and Justification (1 page)
- Research Plan
  
  **A-D not to exceed 5 pages**
  
  A. Specific Aims (usually less than one page)
  B. Background and Significance (1-2 pages)
  C. Preliminary Studies (substantial preliminary data not required, but helpful) (1-2 pages)
  D. Research Design and Methods (2-3 pages; for complex systems computation, a clear description of why this work fits the definition of complex systems computation)
  
  G. Literature Cited (extra pages as needed)
- Biosketch (2 pages)
- Current and Pending Funding (1 page)

Application Deadlines:

Beginning December 11, 2008 you can access the application site on our VT EPSCoR website to submit your application online [http://www.uvm.edu/EPSCoR](http://www.uvm.edu/EPSCoR)

Obligations that Come with Funding:

- Faculty are expected to conduct their research during Summer 2009 and/or academic year 2009 - 2010.
- Award funds will begin June 1, 2009 and end Aug. 31, 2009 or Sept. 1, ending May 30, 2010 or include both summer and academic year.
- Faculty are expected to attend the Streams Project Annual Meeting each spring
- Faculty are also expected to attend the Annual VT EPSCoR State Conference
- Faculty must fill out an annual VT EPSCoR survey and annual progress report.
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Beginning December 11, 2008 you can access the application site on our website. To submit your application online (http://www.uvm.edu/EPSCoR). If you need technical help, please contact epscor@uvm.edu

Your application must be submitted on the EPSCoR website by 4 p.m. on February 12, 2009

Questions?
Email epscor@uvm.edu
Or call 656-7931