

CALL FOR PROPOSALS FOR CICS

From Jorge L. Sarmiento, Director and Geoff Vallis, Associate Director

As part of the Cooperative Institute for Climate Science at Princeton (CICS), a cooperative institute between Princeton University and the National Oceanic and Atmospheric Administration, we receive a certain amount of funding for Task III: Individual Research Activities that do not require close collaboration with NOAA scientists, which can include subcontracts to other academic institutions, and meetings/conferences. This fiscal year we will receive \$463,000 from NOAA's Geophysical Fluid Dynamics Laboratory for this Task.

Now is the time for our annual request for proposals to fund projects for next year. We anticipate that we will be able to fund approximately 4 to 6 projects this year. The average size of a proposal is \$70,000, with a range from \$30,000 to \$130,000, but larger proposals will be considered.

In order to be considered for funding on an existing research project, please submit a one to two page proposal summarizing your progress and including a well defined work plan explicitly stating what will be done during the proposal period, to Joanne Curcio at jcurcio@princeton.edu by Friday, July 17, 2009. In addition, if you have an idea for a new initiative that you would like to have considered for funding by CICS in the next year, you should submit a one to two page proposal describing your plans. Proposals will be evaluated on the following criteria:

- (1) contribution of research to NOAA's and, specifically, GFDL's mission;*
- (2) likelihood that the research will result in publication of scientific results in refereed journals;*
- (3) likelihood that post-docs and graduate students supported by this research will be successful in obtaining research, faculty, public policy, or other positions in this field upon completion of their stay at Princeton University.*

Described below are CICS' three themes. A more detailed description of the themes is available on CICS website at <http://web.princeton.edu/sites/cics/>.

Following their receipt, all submitted proposals will be reviewed, evaluated, and prioritized for funding by the CICS Executive Committee.

CICS THEMES:

Earth system modeling and analysis. The development and improvement of Earth system models; that is, models that simulate and aid the understanding of the present climate and Earth system, and that can be used to predict changes in the state of the climate and Earth system. An Earth system model includes components representing the dynamics of the atmosphere, the oceans, the cryosphere, the land its hydrology, and the physical, chemical and biological systems within and affecting these components.

Data assimilation. The development of capabilities to assimilate both physical and biogeochemical observations to produce an estimate of the current environmental state for use in Earth system modeling and the prediction of the future state of the climate.

Earth system model applications. The use of Earth system models to study the processes associated with long term climate change and variability, and to make predictions of the future state of the Earth system.