An amazing range of research activities is being covered by the center and via their partnerships. The committee suggests that more focus and prioritization may be needed for a successful transition strategy and legacy at this point in the Center's trajectory. …The committee recommends that an **overview article** be written to inform the broader atmospheric community of CMMAP's momentous research accomplishments and plans for future scientific discovery.

We will explore this idea at our upcoming August Team Meeting.

Given the momentum that CMMAP has provided for climate modeling, even more impact could be achieved through more direct feedback to the observational and theoretical research communities, for example regarding which physical or chemical processes, or scales, need to be investigated to enable further progress. CMMAP might be able to catalyze research advances in cloud physics and climate science through more explicit consideration of observations and theory and collaborations with the researchers in those communities.

One way that we have provided input to communities outside CMMAP itself is by organizing national and international workshops focused on specific topics that overlap with CMMAP's work…We will discuss the possibility of organizing one or more **focused workshops** within the coming year.

CMMAP should consider mechanisms for replicating the integration of activities at the partner institutions.

CMMAP's integrated activities success at CSU has been made possible by the work of several full-time staff whose salaries have been paid through the STC. It is difficult to support such personnel from other sources, although we are hoping to obtain such funding from the CSU administration. We will keep our eyes open for other such opportunities going forward.

To replicate what CSU has done, our partner institutions will need to find a way to support dedicated staff in this area. CMMAP will **work through UCAR** to publicize what has been accomplished at CSU and to encourage our partner universities (and others) to identify local sources of funding for similar initiatives.

CMMAP was asked to think about what science and tools they will make special effort to 'mainstream' in the next two years. They provided three research themes they would like to sustain:

- improved understanding of multi-scale processes through atmospheric and land- surface modeling;
- parameterization of convection and turbulence; and
- improved dynamical cores.

The NSF SVT believes a careful mapping exercise is in order so that CMMAP can carve out a pathway through which these activities can continue.

We try to think strategically, not just about the future directions of our own work but about the future directions of the field as a whole. We will indeed "carve out a pathway," but of course this depends on our success in obtaining funding for particular projects, year by year.

# CSU issue

The SVT strongly recommends that CSU pursue state funding to support an Education and Diversity Manager position post-CMMAP, in order to sustain and grow the many accomplishments that have been initiated through CMMAP funding. Consideration should also be given to how mentors can be funded in the post-Center environment.

We agree that the position of Education & Diversity Manager is crucial for sustainability of our education and diversity programs, and that establishing a base of state funding will be the best way to ensure continued success post-STC funding. We are currently negotiating such a base support model at the Department, College, and University levels. We are also pursuing extramural funding for new education and diversity activities through both DRK-12 and NRT programs. Recognizing that opportunities are limited to support management positions through federal funding, but will continue to seek flexibility and sustainability by combining state and federal support.