ReSciPE Project Activities (reported to NSF December 2005)

1. Workshops: We have conducted a total of 10 workshops for over 260 participants. This includes 9 workshops for scientists in 8 different venues around the US, plus one workshop for teachers held in conjunction with a scientist workshop at the same meeting. The venues have included professional society meetings, education projects, and federal laboratories. The number of workshops conducted in this first year exceeds the *total* number of workshops proposed for the two-year grant (8), and additional workshops are scheduled. The workshops include:

   - 2 workshops at AGU, American Geophysical Union fall meeting, San Francisco, CA (12/04). One of these was targeted to scientists in the RIDGE project.
   - 1 workshop at ASLO, American Society for Limnology and Oceanography, Salt Lake City, UT (2/05).
   - 2 workshops for graduate students, faculty and teachers participating in NSF-funded GK12 projects:
     - GK12 project at U. Colorado, Boulder, CO (6/05).
     - GK12 Rocky Mountain regional meeting, Salt Lake City, UT (11/05).
   - 1 workshop at ASP, Astronomical Society of the Pacific, EPO meeting, Tucson, AZ (9/05).
   - 2 workshops at NOAA (National Oceanographic and Atmospheric Administration) laboratories:
     - David Skaggs Research Laboratory, Boulder CO (9/05).
     - National Climatic Data Center, Asheville NC (10/05).
   - 2 workshops at SACNAS annual meeting, Society to Advance Chicano and Native American Scientists, Denver CO (10/05) -- one for teachers and one for scientists.

2. Participants: We have reached over 260 participants in these workshops. We find the participants to be diverse in career stage, institutional type, and prior education experience. They are more diverse in gender and ethnicity than the general populations of the hosting scientific organizations. Characteristics of workshop registrants as found from the evaluation data are described in more detail in the "Findings" section. Evaluation data describing participant response to the workshops is also including in that section.

3. Dissemination: We developed a project web site that describes our project and our facilitators and lists upcoming workshops. The web site serves as a means of dissemination and information about the project and a resource for potential workshop hosts; it also allows participants to pre-register for workshops (more on this below). Our other dissemination activities are described in the "Outreach" section.

4. Resource Collection: We have developed the ReSciPE Book, an online resource that collects materials useful to support scientists in their education work. This resource includes an annotated bibliography of journal articles and web links to short, excellent articles on many subjects of interest to scientists: inquiry and the standards, advice on working with children and teachers, information about NSF broader impacts requirements, etc. We continue to build this resource as we identify additional resources to add to the collection. Major contributions to this resource came from educators at two exemplary programs that have developed scientist training materials for education—Community Resources for Science in

Berkeley, CA, and the Science Education Partnership at UCSF, San Francisco, CA. We met these educators at a networking and brainstorming meeting in December 2004.

5. Additional Workshops: We have scheduled 4 additional workshops for 2006, and have proposed 2 more. The scheduled workshops are: American Meteorological Society, Atlanta, GA (1/06), Laboratory for Atmospheric and Space Physics, Boulder, CO (2/06), Imiloa Astronomy Center and Mauna Kea Observatories Outreach Committee, Hilo, HI (4/06), and Woods Hole Oceanographic Institute (WHOI) and the Center for Ocean Sciences Education Excellence (COSEE)-New England, Woods Hole, MA (4/06). We are working with the American Astronomical Society and the Geological Society of America to present workshops at their annual meetings in June and October 2006, respectively.
6. Research & Evaluation: Our research and evaluation study is ongoing. Our project web site hosts an online pre-registration system that enables us to collect detailed contact information and demographic details about the participants. We also gather data about their current education and outreach interests, motivations, and challenges that contributes to our research and evaluation study. Participants complete a paper survey at the end of each workshop. Workshop facilitators have used the pre-registration survey data to monitor our participant population and data from the post-workshop survey to refine our workshop. Our evaluators are beginning to analyze these two types of survey data formally and to conduct follow-up interviews about the longer-term outcomes of the workshop and about participants' education and outreach activities—both to evaluate our own project and to gather research data about the needs and interests of scientists involved in education. A new evaluation team began with us in December 2005 when evaluator Ginger Melton left for another position. Heather Thiry, Ph.D., and Anne-Barrie Hunter, M.A., from Ethnography & Evaluation Research (the same unit as Melton) have picked up the work and are making good progress.