

AMENDMENT NO. 29 TO THE NASA RESEARCH ANNOUNCEMENT (NRA) ENTITLED  
"RESEARCH OPPORTUNITIES IN SPACE AND EARTH SCIENCES (ROSES) 2008,"  
NNH08ZDA001N, RELEASED FEBRUARY 15, 2008

New proposal opportunities for Education and Public Outreach supplemental awards

This amendment announces proposal opportunities for Education and Public Outreach supplemental awards. Principal Investigators (PIs) of selected Science Mission Directorate (SMD) research investigations may propose for Education or Outreach awards as supplements to their research award.

Note: Two major changes have been made to the supplemental E/PO award opportunity compared to ROSES-2007 and earlier. (i) Two different pathways are offered: \$15K education pathway proposals and \$10K outreach pathway proposals. (ii) There is a specific proposal due date, and proposals are submitted through NSPIRES.

These proposal opportunities are described in [Appendix E.8: Supplemental Outreach Awards for ROSES Investigators](#) and [Appendix E.9: Supplemental Education Awards for ROSES Investigators](#).

Proposals for supplemental E/PO awards are due December 15, 2008. Notices of Intent (NOIs) to propose are not requested.

Section I(c) of the Summary of Solicitation for this NRA is replaced in its entirety by the text on the next two pages. Appendix E.8 and Appendix E.9 are added to this NRA.

Questions concerning the Supplemental Education/Outreach Awards for ROSES Investigators may be addressed to Dr. Larry P. Cooper, Science Mission Directorate, NASA Headquarters, Washington, DC 20546-0001; Tel: 202-358-1531; E-mail: [larry.p.cooper@nasa.gov](mailto:larry.p.cooper@nasa.gov).

**The following text replaces Section I(c) of the ROSES-08 Summary of Solicitation in its entirety.**

- (c) Opportunities for Education and Public Outreach
- (i) Overview

SMD is committed to fostering the broad involvement of the Earth and space science research communities in Education and Public Outreach (E/PO) and contributing to NASA's three education goals and outcomes:

- Strengthen NASA and the Nation's future workforce;
- Attract and retain students in science, technology, engineering, and mathematics (STEM) disciplines; and
- Engage Americans in NASA's mission.

The NASA Science Mission Directorate's vision for Education and Public Outreach is:

*To share the story, the science, and the adventure of NASA's scientific explorations of our home planet, the solar system, and the universe beyond, through stimulating and informative activities and experiences created by experts, delivered effectively and efficiently to learners of many backgrounds via proven conduits, thus providing a return on the public's investment in NASA's scientific research.*

Progress towards achieving these goals has become an important part of the broad justification for the public support of Earth and space science. A more detailed discussion may be found in the *NASA Education Strategic Coordination Framework* ([http://www.nasa.gov/audience/foreducators/topnav/materials/listbytype/Strategic\\_Coordination\\_Framework.html](http://www.nasa.gov/audience/foreducators/topnav/materials/listbytype/Strategic_Coordination_Framework.html)).

SMD sponsors a broad spectrum of educational activities ranging from kindergarten to postgraduate levels via several vehicles of solicitation. A variety of information about recent E/PO activities in Earth and space science can be found at <http://nasascience.nasa.gov/researchers/education-public-outreach>. This site includes the *Explanatory Guide to E/PO Evaluation Criteria* (April 2008), strategic planning and implementation documents, catalog or directory of E/PO resources, and list or abstracts of selected E/PO awards, etc.

- (ii) E/PO Opportunities

Three opportunities to participate in SMD's E/PO programs are included in this ROSES NRA. The first is the opportunity to conduct mid-sized E/PO projects by participating in *Opportunities in Science Mission Directorate Education and Public Outreach* (Appendix E.5 of ROSES). The second are the opportunities for early career scientists and engineers; early career scientists and engineers in Earth science may participate in the *New Investigator Program in Earth Science* (Appendix A.21 of ROSES) and early career scientists and engineers in planetary science may participate in the *Fellowships for Early Career Researchers* (Appendix C.22 of ROSES).

The third opportunity is for Principal Investigators (PIs) of selected research investigations to receive Education or Outreach awards as supplements to their research award. Note: Two major changes have been made to the supplemental E/PO award opportunity compared to ROSES-2007 and earlier. (i) Two different pathways are offered: \$15K education pathway proposals and \$10K outreach pathway proposals. (ii) There are two proposal windows each year, and proposals are submitted through NSPIRES. See Supplemental Outreach Awards for ROSES Investigators (Appendix E.8 of ROSES-08) and Supplemental Education Awards for ROSES Investigators (Appendix E.9 of ROSES-08).

Other opportunities to participate in SMD's E/PO programs are not included in this ROSES NRA, but are solicited separately. These include E/PO opportunities embedded in SMD missions and programs, opportunities available through SMD's E/PO support network organizations to provide E/PO support to the scientific and educational enterprise inside and outside of NASA, and opportunities sponsored by NASA's Office of Education to develop systematic and sustainable educational efforts.

Questions and/or comments and suggestions about the SMD E/PO program are welcome and may be directed to:

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E-mail: [HQ-SMD-ROSES-EPO@hq.nasa.gov](mailto:HQ-SMD-ROSES-EPO@hq.nasa.gov)